**venkat**

**Sr. Java Full Stack Developer**

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Visa: USC

**Summary**

* Having 12+ years of professional experience in Information Technology (Java and J2EE technologies).
* Involved in all phases Analysis, Design, Development, Implementation and Testing of Software Applications development life cycle.
* Install and configure Sun ONE Web server iPlanet. Apache Web server and IIS Web server and integrated the same with the Web logic server.
* Designed and configured Ping Identity Solution for Web Access Authentication using Ping Access and Ping Federate. Integrated OAuth to protect restful API's using Ping Access.
* Experience in working with different operating systems like Windows and UNIX/Linux.
* Strong working experience in application development using JDBC, Servlets, JSP, Java Beans, JMS, Struts, spring, Hibernate and Web services.
* 4 years Unix/Linux Programming work experience
* Hands on experience with Web Services XML SOAP and WSDL.
* Full stack modern Progressive Web Apps React Js ,Reduce, GraphQL
* Frond end integration using angular and neo4j for UI.
* Experience in Developing and maintaining the SDL Tridion 2009 sp1 CMS Sites.
* POC using Real time integration with Spring - Kafka integration from different Data Streams sending into structured streaming using Spark into Microsoft Azure-Databricks
* Extensively worked on message transformation using XSLT in Datapower, ESQL, Java, Mapping and XSLT in IBM Integration bus (IIB) and Message Broker
* Responsible for implementation of Java integration components for JBPM and DROOLS
* Experienced in building api's with Spring MVC, Spring boot. Hibernate and using in Angular 9. React JS with Typescript, PrimeNG
* Involved in writing data extract feeds using java. JDBC, XML Digester.
* High competency in SAML 2.0, Open ID connect and OAuth 2.0.
* Good knowledge on working to interact with GraphQL server
* Experience in developing web-based applications using Python, Django, PHP, Angular JS, VB, C++, XML, CSS, HTML, DHTML, JavaScript and Jquery.
* Worked on google cloud platform (GCP) services like compute engine, cloud load balancing, cloud storage, cloud SQL stack driver monitoring and cloud deployment manager.
* Experience using web logic. Admin, web logic. Deployer and web logic. server commands
* Experience in working on DevOps teams and help automate server and infrastructure configurations using shell scripting, Perl, chef cook books and building Docker Images
* Proficient with container systems like Docker and container orchestration like EC2 Container Service, Kubernates. worked with Terraform.
* Responsible for creating and maintaining architecture for Restful API using Spring Boot
* Independently integrate multiple APIs and new features using React+GraphQL stack
* Developed spring boot micro services using Java with Spring Boot framework
* RESTful implementation and integration with Neo4j and spring boot.
* Experience in Shell Scripting, SQL Server, Unix and Linux. Open stock and Expertise python scripting with focus on Devops tools, CI/CD and AWS Cloud Architecture.
* Experience in setting up the build and deployment automation for Terraform scripts using Jenkins
* Proficient in writing ANT, Maven builds script to automate the application build and deployment.
* Hands on experience in Terraforms for building and versioning of Infrastructure. Worked with Terraform key features such as Infrastructure as code. Execution plans, Resource Graphs, Change Automation to build staging and production environments.
* Good experience in developing and updating a web page using HTML5, CSS3, Angular JS, React.js, Java Script, backbone.js, and Jquery across various browsers and thereby achieving cross browser compatibility.
* Strong knowledge on working with GraphQL schema, queries and mutation to interact with Mongo DB and several other data layers
* Experience in Setting up of Data Sources, Configuring Servlet Engines, Session Managers including planning installation and configuration of Web logic Application Servers.
* Implemented Node.js server side code to interact with MongoDB to store & retrieve data using Mongoose drivers.
* Experienced in working with multiple databases like Oracle, SQL Server, Cassandra and MySQL.
* Functional knowledge in implementation of AWS Cloud based technologies like Elastic Servers, EC2 Instance and S3.
* Experienced with Perl, Shell scripting and test automation tools like Selenium RC, Web Driver and Selenium Grid.
* Developed Python Mapper and Reducer scripts and implemented them using Hadoop streaming.
* Developed powerful Single Page Application and dynamic responsive Web Application with Angular 8.
* Experienced in performing Data driven testing to validate the components displayed on the website using Selenium.
* Implemented Frame work for Selenium scripts using Java
* Designed and developed Micro Services using (MEAN Stack) node.js, MongoDB, Neo4J, Elastic search on Cisco Private Cloud Open Stack Platform.
* Involved in setting up cluster environment for Web Logic Server integrated with multiple workflows.
* Managed Docker orchestration and Docker containerization using Kubernates
* Used Spring Boot Actuator to monitor and manage the application in production environment
* Developed mock data generation feature that is integrated with GraphQL IDE interface to allow users to send queries against their custom generated schema and render mock results in order to familiarize users to the GraphQL syntax
* Experience in developing a data pipeline through Kafka-Spark API, Spring-kafka and Confluent kafka(KAFKA API&rsquo;s, KAFKA CONNECT, KAFKA STREAMS)
* Initiated the Automation framework using Selenium Web Driver to run test cases in multiple browsers and platforms.
* Exposure to AWS and Docker.
* Strong understanding of **Micro services**patterns
* Provisioned the highly available EC2 Instances using Terraform and cloud formation and wrote new plug in to support new functionality in Terraform
* Used Kubernates to orchestrate the deployment, scaling and management of Docker Containers.
* Highly motivated software engineer and experience in developing in web applications using JavaScript, Backbone.js and Coffee script technologies.
* Experience in creating a Kubernates Clusters in AWS and deploying a Docker Image on top of Kubernates Cluster
* Good knowledge in developing multi-threading applications.
* Good knowledge on SoapUI tool to unit testing SOA based applications.
* Ability to understand and use design patterns in application development.
* Used Bash and python, included Boto3 to supplement automation provided by Ansible and Terraform for tasks such as encrypting EBS volumes backing AMIs and scheduling Lambda functions for routine AWS tasks
* Experience in OOAnalysis, OODesign using UML and Drool
* Championed in cloud provisioning tools such as Terraform and Cloud formation
* Built micro services using Docker, AWS Lambda, and Elastic Beanstalk
* Consumed REST based Microserviceswif Rest template based on RESTful APIs
* Expert in implementing dynamic web applications using Application Servers like BEA Web Logic, IBM Web Sphere and Apache Tomcat and deploying in various environments like Windows and Linux.
* Created monitors, alarms, notifications and logs for Lambda functions, Glue jobs,EC2 hosts using Cloud watch
* Experience in working with Log4j, JUnit and developing ANT and MAVEN Scripts for enterprise applications.
* Hands on experience in using Integrated Development Environments like Eclipse 4.2.x/ kepler/Indigo, Net Beans, ColdFusion and RAD7.
* Strong understanding of common API technologies, such as OAUTH,SAML, Spring Boot and Micro Services
* Experience in RDBMS like Oracle, SQL Server, Netezza, MS Access, DB2/AS400 and MySQL.
* Extensive experience with SQLs/Stored Procedures.
* Experience in UNIX shell scripting, FTP/SFTP and file management in various UNIX environments.

**Technical Skills**

**Programming Languages** Java, Java 8 C, C++, SQL   
J2EE Technologies Servlets, JSP, JDBC, JNDI, OSGI, EJB, RMI, ASP, Python.  
**Frameworks** Jakarta Struts, Spring, Spring MVC, JSF 2.0(Java Server Faces), Hibernate 4.0, Tiles, iBatis, Validator, Terraform, OAuth  
**Web Technologies** HTML, DHTML, JavaScript with Jquery, ExtJS, AJAX, CSS,CMS, Yahoo UI, icefaces**API** , **Angular**js, Node.js, Backbone.js, Web logic,Angular9  
**XML Technologies** XML, XSLT, XSL, HTML5, DHTML, XSL / XSL-FO, JNDI, LDAP, SOAP , Azure  
**Application/Web Servers** IBM Web Sphere, IBM HTTP server, Web Logic, Web Logic Portal, JBoss, jBPM, Apache Tomcat, OC4J, Kubernates  
**Databases** Oracle, SQL Server, MySQL, DB2   
**Messaging Systems** JMS, IBM MQ-Series   
**IDE Tools** IBM Web Sphere Studio Application Developer (WSAD), RSA, RAD, Eclipse RCP, Jdeveloper, Net Beans

**Big Data:**  Hive, Hadoop, Big data, hue, oozie, sqoop, Storm, Kafka, Elastic Search, HDFS, Zookeeper, Map Reduce, hive, pig, Spark, flume, DevOps

**Professional Experience:**

**Client: PWC, Tampa, FL Jan2022 to Till now**

**Role: Sr. Java Full stack developer**

**Roles & Responsibilities**

* Developed application service components and configured beans using SpringIoC, creation of Hibernate mapping files and generation of database schema.
* Performed Installation and Administration of Oracle Web logic 10/11g/12c on Linux and Solaris platforms.
* Developed Restful web services using Apache Camel, Spring boot and configured Kibana as a visualization dashboard.
* Strong understanding of SDL Tridion CMS Architecture and administration of various versions i.e. 2009, 2011, 2013.
* Participated in code review and mentoring sessions and used GIT as version control and GIT Bashfor GIT interactions.
* Used Rest client- POSTMAN and SOAPUI tools to test REST API services.
* Implemented UI Tier with JSP, Servlet. JSF. XML XML Schema, CSS, JavaScript, AJAX.
* Wrote Python scripts to parse XML documents and load the data in database.
* Extensive experience in Amazon Web Services (AWS) - EC2, ECS, ELB (Elastic Load Balancing). S3, VPC, IAM, Security Group. SQS, RDS, Lambda. Cloud Watch, Storage Gateway. Cloud formation. Cloud Front. Elastic Beanstalk, Route53. Dynamo DB and Auto scaling.
* Migrating all the existing Google Dialog flow agents from existing gmail accounts to Verizon Enterprise GCP (Google Cloud Platform) accounts.
* Taking advantage of the MVC pattern of the Angular7/8 and Knockout.js framework to accomplish the single page application and produce higher maintainability of the code.
* Working on Active MQ Messaging Service for Integration.
* Strong working experience with Ping Federate using SAML OAUTH and OpenID in both Production and Non-production environments.
* Experience in Graph database technologies like Titan, Neo4j and their associated technologies like Gremlin query language for graph traversal and Blueprints interface for property graph models.
* Experience on Infrastructure as code tools like Chef/Puppet/Ansible.
* Producer client using Confluent Kafka and produced events into kafka topic.
* Created Res-useable components, Custom Modules. Custom Directives. Pipes, Services in Angular 9.
* Extensive experience in developing services using IBM Integration Bus and Web Sphere MQ.
* Help Devops teams configuring servers by building cook books to install and configure tomcat.
* Using Bash and python, included Boto3 to supplement automation provided by Ansible and Terraform for tasks such as encrypting EBS volumes backing AMIs
* Upgrading of Web logic 10.3.0 server instances to Web logic 10.3.5 Server.
* Full stack modern Progressive Web Apps React Js ,Reduc, GraphQL
* Used Databricks and Parquet Viewer to Analyze Parquet Files and Converted them to JSON before Sending it to Print Vendor
* Working in the team as JBoss-Rules Drools BPM Specialist/Java Developer in a corporation wide. Modernization initiative for loans approval
* Automated the GCP account key rotation process with PowerShell script that will check the next expiry date of the key and download new key when available.
* Integrated internal Applications. SAAS based applications using SAML 2.0, SAML 1.1, WSFED and OAuth 2.0.
* Wrote Operations and corresponding handlers to communicate with Oracle database sitting on Linux/Unix server
* Experience with container-based deployments using Docker, working with Docker images. Docker Hub and Docker- registries and Kubernates.
* Experience in using Cloud Formation to deploy Infrastructure as code.
* Implemented OAUTH using Ping federate for the mobile applications as oAuth Client to get the access token in order to access protected Rest API'S
* Implemented an express-GraphQL library to mount a GraphQL API server on the user configured HTTP endpoint
* Automation experience with Jenkins, Bash and Python scripting. AWS Boto3. etc.
* Designed and created the No SQL , Dynamo DB database to store the application data.
* Integrated the Drools and JBPM to application framework, which involved Dynamic creation of knowledge and knowledge session
* Wrote many shell scripts in Unix to call routines.
* Developed SDL Tridion Page template, Component template and Template building blocks.
* Helped Devops team with POC for Docker by containerizing the web application
* Participated in GCP and cloud implementation and configuration of the components for development of Web application.
* All the functionality is implemented using Spring Boot and Hibernate ORM
* Testing JSON output using Advanced REST Client or POSTMAN
* Wrote scripts for creating, configuring, starting web logic servers using WLST
* Design and deploy Azure Databricks clusters and gauge the appropriate workload for cluster sizing. Define the heavy lifting process and move to Azure Databricks Notebooks (ETL) and Optimize the data loads in Azure Databricks.
* Used Micro services to communicate using synchronous protocols **HTTP and REST** for implementing SOA
* Experienced using Type Script to program from Angular 9 to Angular 14 and developed web applications.
* Worked on migration Microsoft azure service to AWS service for a project.
* Development and system administration for enterprise class confluent kafka infrastructure.
* Moved the project to Java 8 to extensively use Lamda expressions and have better connectivity to Cloud in addition adding Spring boot Libraries and UI Enhancement.
* Experienced In Migrating SOS Based Architecture Systems To Micro services Architecture System And Deploying Them On Cloud Infrastructure Like AWS, GCP, Azure
* Used Jenkins pipelines to drive all micro services builds out to the Docker registry and then deployed to Kubernates. Created Pods and managed using Kubernates
* Involved in developing Ul using Spring MVC framework.JSP, JSTL, HTML5, Css, JavaScript, Jquery, AJAX and Angular 11.
* Front-end featured a rich web interface implemented using javascript toolkits like DOJO.
* Implemented multiple CI/CD pipelines as part of DevOps role for us on-premises and cloud-based software using Jenkins, Chef and AWS/Docker
* Working on creating batch jobs using Autosys as the job scheduler and technologies like SQL Invoker. UNIX shell Scripting and core java.
* Implemented the application using Spring Boot Framework and handled the security using Spring Security
* Wrote Lambda functions in python for AWS Lambda and invoked python scripts for data transformations and analytics on large data sets in EMR clusters and AWS Kinesis data streams.
* Involved in using Terraform migrate legacy and monolithic system to Amazon Web Services
* Expertise in web development using HTML, DHTML, CSS, Java Script, XSL, Micro service XSLT, and XML, JavaScript/jquery, Angular JS, react JS , nodeJS, backbone JS,AWS,AJAX,GIT, SVN.
* Used Drools to handle complex business rules sets and Rule Flows
* Designed and developed individual micro services for search modules.
* Used AWS to deploy the project on EC2 instance Implementation of the Business logic layer for MongoDB Services.
* End to End Integration development from JIRA to Service Now using Restful calls using C++/ JAVA/ Groovy.
* Expertise in distributed, secureb and scalable application development using J@EE Technologies like servlets, JDBC, jsp, Spruts, Spring IOC, Spring MVC, Amazon Web Services (AWS), Web Services development(SOAP and RESTful)
* Involved in SDL Tridion version up-gradation POC from 2009 sp-1 to 2013.
* Modified existing Shell scripts in Unix to call daily sub routines.
* Building/Maintaining Docker container clusters managed by Kubernates Linux, Bash, GIT, Docker, on GCP (Google Cloud Platform). Utilized Kubernates and Docker for the runtime environment of the CI/CD system to build, test deploy.
* Setup and configured large Enterprise Web logic Clusters utilizing BEA's Web logic 10 and 9.2 MP1, wrote scripts and Java that utilities that determine the performance of the Staging and Production sites.
* Created a data pipeline through Kafka Connecting two different clients Applications namely SEQUENTRA and LEASE ACCELERATOR
* Developed a shell script which picks up and changes the server commands for various other scripts to identify the java 8 version.
* Developed java modules implementing business rules and workflow using Spring Boot
* Involved in using React js components, Forms, Events, Keys, Router, Animation and Flux concept.
* Recommended and developed strategy for integrating internal security model into new projects with Spring Security and Spring boot.
* Implemented the secure connection between Ping Access and Ping Federate using OAuth.
* Used AWS Glue for the data formation, validate and data cleansing
* Experienced In Google Cloud Platform & Google Kubernates Engine And Firebase.
* Created RFP (Request for Proposal) micro service to provide RESTful API utilizing Spring boot with Spring MVC.
* Used Hibernate mappings, relationships between tables and entity classes to access and update information in the database.
* Unix/Linux Administrator of the servers in the project.
* Implemented the task dashboard of different JBPM workflows using BPMN 2.0, business rules using business Drools
* vast experience in developing various testing process such as Unit Test with JUnit and Mockito. Integration Test. Functional Test with Postman Automation Test with Selenium. Performance Test with Apache Meter and etc
* Setting up the build and deployment automation for Terraform scripts using Jenkins
* Have strong exposure and work experience on core java concepts collection API, **Stream** API, Parallel Streams, exception handling, Multithreading, concurrency, JDBC, modularity, executor service, azure, fork and join frameworks.
* Involved in development of test environment on Docker containers and configuring the Docker containers using Kubernates.
* Knowledge in developing applications in a single page (SPAs) using various JavaScript frameworks like Angular.js, Angular 13, React.js and Twitter Bootstrap like Grids, Toolbars, Panels, Combo - Box and Button etc.
* Designed and developed the Amazon EC2 instance to copy the file from mainframe to cloud, process and store it in Dynamo DB.
* Involved in Web logic 11g/10/9.2 testing and analyzing performance metrics and creating respective Web logic resources.
* Have some experience on **Stream API.**
* Involved in converting Hive/SQL queries into Spark transformations using Spark SQL, Python and Scala.
* Working in multithreading, AWS Server less Lambda, AWS Server less Lambda, Node JS. S3, Dynamo DB. Cloud Watch environment for execution Golang of multiple orders in the trading platform.
* Instructed teams on best practices around PCF and Spring boot, Azure services.
* Created a mock UI web app in Angular 8 to demonstrate micro services and designed and developed the authenticating portal using framework Angular 8 along with HTML5, CSS3 and Type Script.
* Developed Reporting Dashboard which will generate reports and reduce manual intervention for support activities. Developed with Spring MVC, Core Java and Sybase.
* Used Apache Kafka confluent distribution both as a traditional messaging queue platform and streaming platform.
* Defined a message store architecture necessary to support drools rule engine input processing, Scalability and recovery
* Deployed the WAR. JAR and EAR applications in Web logic 10.x.11g, 12c Responsible for application changes across different platforms- development, testing and production environments
* Used python Boto 3 to configure the services AWS Glue.EC2,S3
* V2 API testing on the Advance REST Client and SoapUI.
* Good knowledge of Data Access Object (DAO) pattern to introduce an abstraction layer between the Business Logic tier and the Persistent storage tier**.**
* Created Frontend single page application using semantics using semantics in HTML5,CSS3, JavaScript, Bootstrap, React Js, NodeJs and MangoDB
* Worked with core java and Drool rule engine and participated in all aspects of software life cycle including analysis, design, development, production deployment and support
* Conceptualized, designed, and implemented automated functional API test cases using SOA test, and Soap UI.
* Used Postman API to get convenient, visual display of query results.
* Designed and developed the REST based Micro services using the Spring Boot
* Used various Java APIs like Apache POI, Java Email, I Text etc. as part of test automation.
* Implemented a recursive algorithm to parse large GraphQL introspection queries into a dotfile format in order to visualize the one to many relations between schemas in a SVG format
* Configured Docker containers and Kubernates to manage dozens of micro services Azure services.
* Performed J2EE application deployment using JBoss application server on Windows and Linux.
* Developed Automation Framework for Acceptance Testing using Cucumber BDD and JUnit.
* Created a End to End Framework for Acceptance Testing using Cucumber, JDBC, Maven, Web Driver, Java and TestNG.
* Developed AdHOC using Unix/Linux Shell Scripts (Bash/KSH/C), e.g. is SCP from one server to another and executing Remote Shell Commands.
* Involved in the migration of the applications from tomcat 5.5 to Web Logic Server 10.3
* Developed micro service on boarding tools leveraging Python and Jenkins allowing for easy creation and maintenance of build jobs and Kubernates deploy and services
* Designed dynamic and multi-browser compatible pages using HTML, CSS, JavaScript, Angular Material, Typescript, and Angular 13.1.2.
* Implemented Micro-Services using Pivotal Cloud Foundry (PCF) platform build upon Spring Boot Services
* Worked with JBoss Drools for business Rule Processing
* Provisioned the highly available EC2 Instances using Terraform and Ansible playbooks
* Hands On Experience In Building And Deploying Applications Using Gradle, Maven, Jenkins And Concourse.
* Developing BDD  scripts with Cucumber/Java and writing step definitions for behaviour and step definitions.
* Used selenium and cucumber for some part for automation testing as well.
* Developed   Selenium  Web Driver Test   Automation  Script for regression testing. Maintain scripts in between releases. Reproduce manually failures reported by   Automation  scripts.
* Integrated JPA persistence using Hibernate in order to save the current state of the Drools
* Implemented client side interface using React.js, flux pattern and Redux framework for SPA.
* Designed the responsive front-end screens using Angular 7, HTML5, JavaScript, Typescript and Bootstrap.
* Involving in Building the modules in Linux environment with ant script.
* Efficiently Worked with all of the following tools/Instances but not limited to including: Kafka, Zookeeper, Console Producer, Console Consumer, Kafka Tool, File Beat, Metric Beat, Elastic Search, Log stash, Kibana, Spring Tool Suite, Apache Tomcat Server etc
* Used AWS Glue catalog with crawler to get the data from S3 and perform sql query operations
* Managed AWS infrastructure as code using Terraform
* Developed RESTful services (or API) in IIB using Java (JCN), to integrate with LDAP for user registration, login and reset/change password functionalities.
* Used Terraform scripts to Automate instances for manual instance that were launched before
* Hands-on experience with various Application Servers and Web Servers (IBM WebSphere Application Server Azure server, Web Logic, JBoss, and Tomcat8).
* Writing effective JavaScript code for React.JS and Node.JS applications for interacting with server and network applications.
* Loading data into Spark RDD and do in memory data Computation to generate the Output response.
* Used Spring Config Server For Centralized Configuration And Splunk For Centralized Logging .Used Concourse And Jenkins For Micro services Deployment
* Developed the single page application (SAP) using the React Js which Utilizes the classes, modules feature from JavaScript ES6
* Years of experience in development and deployment of enterprise applications on Web logic, and Tomcat application servers
* Design and Develop ETL Process in AWS Glue to migrate Campaign data from external sources like S3,ORC/Parquet/Text file into AWD Red shift
* Strong knowledge on working with GraphQL schema, queries and mutation to interact with Mongo DB and several other data layers
* Extensively involved in infrastructure as code, execution plans, resources graph and change Automation using Terraform
* Created GraphQL schema and queries to interact with Mongo DB database
* Used Backbone.js for the functionality and structure. Developed core component of Analytics with Node.js, Backbone.js and Require.js.
* Design, investigation and implementation of public facing websites on Amazon Web Services AWS.
* Involved in common approach for Cross Platform/Cross Browser Testing, Building and Maintaining a  Selenium Regression test suite.
* Used Github extensively as versioning tool and used Maven for automated building of project.
* Used Java 8 features in developing the code like Lambda expressions, creating resource classes, fetching documents from database.
* Built application logic using Python.
* Performed advanced procedures like text analytics and processing, using the in-memory computing capabilities of Spark using Scala.
* Unix/Linux Administrator of the servers in the project.
* Implementing responsive React.JS components for different solutions and performing the server side validations using Node.JS framework.
* Hands on experience on MVC frameworks such as Angular Js,Angular2,BackboneJs,EmberJs,React Js etc
* Used the following tools everyday: bash/zsh, git, docker, postgres, sql server, jq, jira, vim and jetbrains.
* Web application development for backend system using Angular4.0 with cutting edge HTML5 and CSS3 techniques.
* Used Hibernate Core Interfaces configuration, transactional, session and criteria.
* Implement user authorities' management with Spring Security.
* Used Microsoft Azure for role based access for authentication and authorization purpose.
* Developed application integration components using Apache camel components.
* Involving in Building the modules in Linux environment with ant script.
* Good knowledge in using Amazon Web Services (AWS) and AWS SNS/SQS for delivering messages and development of services that utilize AWS SDK's.
* Have strong exposure and work experience on core java concepts collection API, Stream API, Parallel Streams, exception handling, Multithreading, concurrency, JDBC, modularity, executor service, fork and join frameworks.
* Used node.js for the management on interchange of the data between the servers and Used Node JS, Express JS to create server-side MVC framework with Mongo DB.
* Used various Java APIs like Apache POI, Java Email, I Text etc. as part of test automation.
* Created automated script for REST-API testing using Rest Assured framework.
* Designed and documented REST/HTTP, SOAP APIs , including JSON data formats and API versioning strategy.
* Validated SOAP UI and Restful API services and **Streaming Developer**.
* Proficient with testing **REST APIs, Web & Database testing.**
* Assisted developers with integration of Mobile Apps using OAuth/SAML in Ping Federate.
* Used session handlers from Express.js and Node.js to handle user login and cookies to provide authentication.
* Deployed containers and Micro services in AWS using EC2 Container Services.
* Implemented Blue Prism User authentication by defining user roles, creating users and setting password policies
* Strong Knowledge in Hadoop Development Tool such as HDFS, Map Reduce, PIG, HBASE, etc.
* Designed and developed integration solutions based on (IIB) IBM Integration Bus and Message Broker and MQ technologies.
* Developed Notification Service micro-service to use across the enterprise using lambda, AWS SNS. API Gateway.
* Worked in functional automation testing using Junit, testing and Selenium Web Driver and Selenium Remote control.
* Created Maven archetypes for generating fully functional Rest web-services supporting JSON message transformation.
* Utilized Java 8 features like Lambda expressions and Stream API for Bulk data operations on Collections which would increase the performance of the Application Azure service.
* Worked on the backend using Groovy and Grails, Value Object and DAO. Used different design strategies like Façade pattern, proxy command pattern to efficiently use resources.
* Command in React Js for creating interactive UI's using Virtual DOM, JSX, React Native concepts.
* Fixing the batch logs using Shell Script and retrieving the data from database.
* Used Java 8Lambda expressions and functional interfaces, wherever possible.
* Penetration Testing of the Unix/Linux servers.
* Created custom, self-contained, reusable and testable Angular 4 modules, controllers, directives and services to implement key functionalities for customer account summary.
* Involved in back end testing where the forms were loaded into the database and also experienced in building and deploying J2EE Application Archives (Jar, War and Ear) on  Tomcat 5.X
* Developed new user-facing features using React.js.
* Knowledge of using Flux architecture in React Js for building client side web application
* Used AWS Lambda to manage the servers and run the code in the AWS.
* Very good knowledge in different development methodologies like SDLC Azure and Agile.
* Implemented application level persistence using Hibernate and Spring.
* Deployed Spring boot based Micro Services Docker container using Amazon EC2.
* Used features in Angular 4 such as data binding, ng-route for routing, custom filters, and custom directives to meet business requirements.
* Data Extraction, aggregation on consolidation of adobe data within Glue using PySpark
* Wrote various types of Business rules in the.drl(Drools file) and .ece using Drools rules Engine for business decision making
* Involved in doing a performance benchmark of Web logic server by using Load runner.
* Build Restful web API with Spring, Spring Boot, and testing APIs using Postman
* Knowledge of rendering large data sets on the application view using React Js
* Developed the application using Struts Framework which is based on the MVC design pattern.
* Creation of REST Web Services for the management of data using Apache CXF.
* Configure and monitor numerous Mongo DB instances and replica sets.
* Development of AJAX toolkit based applications using JSON.
* Writing server side request handling and automated functional test cases to validate UI functionality using Node.js, JavaScript
* DevOps experience with Jenkins, Gradle, GitHub, Art factory. Raven, Docker
* Setting up test execution builds with Jenkins CI server on slaves which are configured on AWS and Azure
* Developed REST API to query Neo4j database using Neo4j Cypher Query Language. Neo4j OGM Java API. Spring boot and Swagger
* Wrote Restful web services to communicate with Mongo DB and performed CRUD operations on Mongo DB using restful web services.
* Worked on Database's Cassandra Java API to interact with the Cassandra Cluster.
* Java Backend wifGraphQL/Java wif Strong Micro services, spring boot, AWS.
* Extensively used Blue Prism's process studio and object studio to develop Business processes
* Involved in adding AJAX, JavaScript components to some of the JSP pages wherever needed.
* Developed user interface using JSP, AJAX, JSP Tag libraries and Struts Tag Libraries to simplify the complexities of the application.
* Implemented OAUTH 2 (Rest service authentication) in our application in order to communicate securely with other protected resources by exchanging access tokens for authentication instead of using user name and passwords.
* Building/Maintaining Docker container dusters managed by Kubernates Linux, Bash. GIT Docker, on GCP
* Used MAVEN to build the project into WAR and EAR files and SVN for version controlling.
* Experience in real-time data processing using Apache Spark, Apache Kafka, Zookeeper Azure and Scala.
* Involved in JUnit Testing of various modules by generating the Test Cases.
* Configured Maven dependencies for application building processes.
* Developed scripts start, stop, backup recovery processes for Web logic application server administration. Developed WLST/JYTHON, ANT scripts. UNIX shell scripts to automate the deployment process.

**Environment:** Java 8, J2EE, Angular 4/6/7/8, XML, CSS, Spring, Postman, HTML, Hibernate, Struts, Web logic, and REST, Jquery, Eclipse, AJAX, ExtJS, JavaScript,GCP, RSA,SQL,DB2, Aws, JPA,IBM Integration bus(IIB). JSP, Junit, XML, Windows, Azure Data brick, JMS, Maven, Github, Intelli j. Micro services Azure servers,Terraform,Drool,Glue,Junit,Neo4J,GraphQL,Java11,Spring Boot, Kubernates, DevOps, Web logic, Unix, OAUTH

**Client: Abbvie, Chicago, IL Nov2018 to Dec2021**

**Role: Sr. Java Full stack developer**

**Roles & Responsibilities**

* Used Java, HTML, JDBC, JSP, Ant, JUnit, XML, JavaScript, and a proprietary Struts-like system.
* Worked extensively with writing SQL and PL/SQL using Sybase.
* Setting up Java/J2EE development environment using Eclipse, Maven and Web Logic.
* Developed on Tomcat for a Web Logic deployment tools included Ant, JUnit, DBUnit, Http Unit, Visual Source Safe, and Scarab.
* OAUTH 2.0 authentication frame work is used to provide security to Restful web services by generating access token in order to access protected resources.
* Monitored Web logic server resources using Wily 7.0 Introscope.
* Developed data ingestion modules using AWS Step Functions, AWS Glue and Python modules
* Good experience in using Amazon Web Services (AWS) and AWS SNS/SQS for delivering messages
* Developed opwn stack API to integrate with Amazon EC2cloud based architecture in AWS, including creating machine images and worked on AWS, High availability practices and deploying backup/restore infrastructure.
* Developed the screens using AJAX, Jquery, HTML5, CSS3, and Angular 2 & 4.
* Composing, coding, and testing AWS, Java 8. API. AWS Server less Lambda, node.js Jenkins, spring boot custom applications for various departments, Micro services, Kubernetes. Java Script while, Kafka, backend Java Development. Automated Unit Testing, documenting the same.
* Involved to work with another developer to migrate an existing MS Access application to ColdFusion.
* Developed JSF managed beans and backing beans and configured SF navigation in faces-config.xml.
* Responsible for Continuous Integration (CI) and Continuous Delivery (CD) process implementation using Jenkins along with UNIX Shell scripts to automate routine jobs.
* Developed various screens for tge front end using React Js and used various predefined components from NPM (Node Package Manager)
* Using DevOps to bring prod issues, data migrations issues to backlog and story development
* Worked with Open Shift platform in managing Docker containers and Kubernates Clusters
* Used Rabbit MQ as Java Messaging Service for producing and consuming data between applications.
* Good familiarity in working with NOSQL databases like Cassandra, DynamoDB, CouchDB, MongoDB, Redis, Neo4j. Hbase... etc.
* Designed , configured and managed public/private cloud infrastructures using AWS, which includes VPC, EC2,S3, Cloudfront, ELB and Elastic Beanstalk.
* Good experience in using Amazon Web Services (AWS) and AWS SNS/SQS for delivering messages.
* Integrated Spring Security with JDBC to manage user registration and login.
* Wrote SQL commands and Stored Procedures to retrieve data from SQL server database.
* Involved in migrating Hive queries into Spark transformations using Data frames, Spark SQL, SQL Context, and Scala.
* Set up/Onboard new projects. Components to continuous Integration, continuous Deployment/Delivery using DevOps automation.
* Maintain balance between cost-based approach and performance of the ETL process. Implement custom logging mechanism in Databricks Notebooks and Choosing correct data storage solution to meet the technical and business requirements.
* Strong programming skills in designing and implementation of multi-tier applications using Web-based technologies like Spring Boot
* Developed environments of different applications on AWS by providing on EC2 instances using Docker, Bash and Terraform
* Participated in the implementation of API Security projects including OAuth2.0 and SAML.
* Use Lambda functions and Step Functions to trigger Glue jobs and orchestrate the data pipeline
* Responsible for implementing monitoring solutions in Ansible, Terraform, Docker, and Jenkins
* Have strong exposure and work experience on core java concepts collection API, Stream API, Parallel Streams, exception handling, Multithreading, concurrency, JDBC, modularity, executor service, fork and join frameworks.
* Implemented RESTful web services using spring framework on back-end and Hibernate framework for ORM, Microsoft Azure for authentication and authorization.
* Defined AWS Security Groups which acted as virtual firewalls that controlled traffic allowed reach one more AWS EC2 instances.
* Automate Data dog Dashboard with stack through Terraform scripts
* Web designing & development using HTML5,CSS3, JavaScript, React Js and Ajax
* Worked with Cucumber in selenium including TestNG and Gherkin.
* Developed BDD tests using Cucumber by writing behaviour and step definitions & developed required Selenium support code in Java for Cucumber.
* Configured and monitored JNDI, security realms. Configured Apache web server and Web logic plug-in.
* Working on AWS Lambda for event driven workflow, working on Databases, creating and hosting micro services onEC2 instances, and automating things using JSON Scripts, Creating End-points for the services, integrating through APIs and API Gateways forby establishing Secure connection between the end-points.
* Experienced in working with in-memory processing framework like Spark Transformations. Spark QL Mib and Spark Streaming Thorough knowledge of micro services architecture and experience in implementing several design patterns
* Assisted Manager by providing automation strategies, Selenium/Cucumber Automation and JIRA reports.
* Developed BDD tests using Cucumber by writing behaviours and step definitions. Developed required Selenium support code in JAVA for Cucumber.
* Developed Micro services using Spring Boot and deployment in Pivotal Cloud Foundry
* Created data ingestion modules using AWS Glue for loading data in various layers in S3 and reporting using Athena and Quick sight
* Building/Maintaining Docker container clusters managed by Kubernates Linux, Bash, GIT, Docker, on GCP
* Developed React Js pages, web services call and AJAX calls for the application
* Worked on automation and deployment using configuration management tools like Chef to provision Amazon AWS.
* Assisted Manager by providing automation strategies, Selenium/Cucumber Automation and JIRA reports.
* Developed BDD tests using Cucumber by writing behaviours and step definitions. Developed required Selenium support code in JAVA for Cucumber.
* Managed Amazon Web Services like EC2, S3 bucket. ELB. Auto-Scaling, SNS, SQS. AMI, IAM, Dynamo DB, Elastic search, Virtual Private Cloud (VPC) through AWS Console and KP Integration.
* Implemented development procedures for IVR and speech applications through java and web services and used AWS lambda to run servers without managing them and to trigger to run code by S3 and SNS.
* Developed web services and SOAP Messages with XML SCAP and WSDL.
* Developed Angular 4 Files and Used JavaScript to do the validation on the client end side.
* Wrote Groovy scripts to automate request chaining, security tests and load tests.
* Involved into Code development and testing using JBOSS ESB (Enterprise Service Bus), Maven, Java 1.7, Restful Web Services.
* Experienced in working with Aqua logic Integrator ALINT which is a combination of WLI Web logic Integration and ALSB Aqua Logic Service Bus.
* Write Terraform scripts for Cloud watch Alerts
* Used React Js in components like JSX, Creating React components, Virtual
* Implement the JavaScript/jquery frameworks such as React.js, Node.js for MVW/MVC framework.
* Consumed JSON APIs by using the Angular 2 resource and configuring it.
* Implemented Blue Prism User authentication by defining user roles, creating users and setting password policies.
* Built and Deployed Docker images on AWS ECS and automated the CI-CD pipeline.
* Implemented NO-SQL DB (Mango DB/Cassandra) to store poisoned messages.
* Configuring, implementing and supporting High Availability (Replication) with Load balancing (sharing) cluster of Mongodb having TB's of data.
* Setting up the build and deployment automation for Terraform scripts using Jenkins
* Create automation to extend and innovate on micro services infrastructure supporting single sign on; user provisioning & de-provisioning; multi-factor authentication; security and permission management
* Importing the data into Spark from Kafka Consumer group using Spark Streaming APIs.
* Migrated the server using the AWS services to a cloud environment.
* Used Maven project management tool for build and deployment of the application.
* Configured Struts, Hibernate framework with Spring MVC.
* Have strong exposure and work experience on core java concepts collection API, Stream API, Parallel Streams, exception handling, Multithreading, concurrency, JDBC, modularity, executor service, fork and join frameworks.
* Implemented business logic at Server side in Core Java, and Java EE Architecture
* Utilize Camel to integrate micro services with other micro services and Rabbit MQ messaging exchanges.
* Used Docker to containerize the Services and APIs to run on EC2 instances.
* Used NoSQL database Cassandra for having high efficiency and good response for the request.
* Optimizing Mongo DB CRUD Operations.
* Using OOP Principles (SOLID) to satisfy the different application needs within a centralized and manageable architecture.
* Implemented Micro-services Architecture with Spring Boot REST services
* Developed user interface by using the React Js, Flux for SPA development
* Worked with web designers to develop user interfaces and prototypes for a web-based internal system. Developed the application as Single Page Application (SPA) using Angular 2 MVC.
* Used MAVEN to define the dependencies / plugins and build the application.
* Built enterprise Java applications using POJOs and lightweight frameworks such as Spring, and Hibernate.
* Implemented various screens for the front end using React.js and used various predefined components from NPM (Node Package Manager) and redux library.
* Developed API to Integrate with Amazon EC2 cloud based architecture in AWS, including creating machine Images.
* Serve as internal liaison for RBAC/IAM issues with representatives from application solution owners and Information Security
* Used Rabbit MQ for reliable and asynchronous exchange of important information between multiple business applications.
* Implemented Client side Interface using React Js
* Created RFP (Request for Proposal) micro service to provide RESTful API utilizing Spring boot with Spring MVC.
* Utilized Web sockets and Node.js to provide real time support for the Matrix Portal.
* Designed table architecture and developed DAO layer using Cassandra NoSQL database.
* Expertise in Java Script and AJAX calls. Expertise in jquery plugins and Angular components.
* Developed user interface using JSP, JSP Tag libraries JSTL, HTML, CSS, JavaScript to simplify the complexities of the application.
* Involved in the migration of the applications from tomcat 5.5 to Web Logic Server 10.3
* Replaced existed Angular JS code with Angular2 code, which decreased number of lines of code for a web application which increased performance.
* Experience in Agile, Test Driven Development (TDD) and Waterfall methodologies.
* Development of frontend (Client side) using JSP, CSS, Jquery, JavaScript
* Development of backend (Server side) using Core Java, and Java EE.
* Implemented Apache Kafka to provide a unified, high-throughput, low-latency platform for handling real-time data feeds.
* Utilized Kubernates for the runtime environment of the CI/CD system to build, test deploy.
* Created and consumed Micro Services based on Web API.
* We used the most popular streaming tool Kafka to load the data on Hadoop File system and move the same data to NoSQL database.
* Created POC with Neo4j Graph Database and Cypher query language.
* Expert in implementing unified data platform to gather data from different sources using Kafka Java Producers and consumers.
* identify and address areas for improvement in end to end technical development. DevOps. Cloud lifecycle.
* Experiences in React Js and working with React Flux architecture
* Developed multiple POCs to create an interface between Backend to Frontend by using MONGODB, Express JS, Angular Js and Node.js.
* Used Spring MVC with Hibernate framework to build the application on server side.
* Designed & Developed intranet applications for catalog maintenance using EJB3, JPA, Servlet, AJAX, JSF, Prime Faces 3.x technologies hosted on JBoss Application server.
* Used Spring Core Annotations for Dependency Injection and used Apache Camel to integrate spring framework.
* Used Maven and Jenkins to automate the build and deploy process.
* Built Angular Js framework including MVC architectures, different modules, specific controllers templates, custom directives and custom filters.
* Experience in working with Docker , Kubernates, ECS container services and successfully deployed the images in the cloud environment for managing Application.
* Setup and configured large Enterprise Web logic Clusters utilizing BEA's Web logic 10 and 9.2 MP1, wrote scripts and Java that utilities that determine the performance of the Staging and Production sites.
* Experienced in developing Micro services with Spring Boot, Spring REST, Spring Cloud, Eureka, API-Gateway etc.
* Wrote services to store and retrieve user data from the Mongo DB for the application on device.
* Designed and created SQL Server Database, Stored Procedures
* Experienced in implementing Kafka Simple consumers to get data from specific partitions.
* Communicating with a Node.js backend under MONGODB.
* Participated in the implementation of API Security projects including OAuth2.0 and SAML.
* Developing plugins to interact from Jenkins to AWS. Set up/Onboard new projects, Components to continuous Integration, continuous Deployment/Delivery using DevOps automation.
* Used Jenkins pipelines to drive all micro services builds out to the Docker registry and then deployed to Kubernates. Created Pods and managed using Kubernates
* Developed web application using Mango DB, Express, React/Redux, NodeJs and Graph QL
* Involved in using Reactjs components, Forms, Events, Keys, Router, Animation and Flux concept.
* Involved in converting Hive/SQL queries into Spark transformations using Spark RDDs, Scala.
* Involved in SPA (Single Page Web Applications) using RESTFUL web services plus Ajax and Angular JS.
* Used MVC pattern for GUI development in JSF and worked closely with JSF lifecycle, Servlets and JSPs are used for real-time reporting which is too complex to be handled by the Business Objects.

**Environment**: Java, Micro services, Angular 2 & 4, Oracle, SQL server, Postman, JSP, JSF, HTML, Jenkins, CSS, JavaScript ,XML, JSON, Eclipse, Jquery, Ajax, Spring, Intelli j, PCF, Jenkins, JPA, Junit , Hibernate, JBoss, SVN,Neo4J, Subversion. Aws,GCP, Terraform, Drool, Glue, GraphQL, Java11, Spring Boot, Kubernates, DevOps, Web logic, OAuth

**Client: PNC Bank , Chicago, IL July15 to Oct’18**

**Role: Sr. Java Full stack developer**

**Roles & Responsibilities**

* Created stubs to consume Web services.
* Involved in writing JSP and JSF components. Used JSTL Tag library (Core, Logic, Nested, Beans and Html taglib's) to create standard dynamic web pages.
* Implemented with Angular using its advantage including two way data binding and templates.
* Identified the defects through Selenium and ensured that business processes deliver the expected results and remain reliable throughout the production release.
* Functional knowledge in implementation of AWS Cloud based technologies like Elastic Servers, EC2 Instance and S3.
* Developed Ruby on Rails 3 web applications using Mongo DB and back-ground processes using Resque and Redis.
* Designed and developed the session module using J2EE for existing cold fusion application.
* Involved in developing a Micro Service Oriented Architecture Application by using **Spring Boot**, Angular 4.0, Node JS with Express JS and My SQL database.
* Implemented build scripts using Maven and GIT technology for version control.
* Setting up test execution builds with Jenkins CI server on slaves which are configured on AWS
* Used CQL (Cassandra Query Language) to read from and write data into Cassandra database.
* Worked on No SQL databases including HBase, Mongo DB, and Cassandra.
* Designed and implemented a Micro services based real-time public transportation tracking system for suburban large community. Established the system using Java, Spring MVC, Maven, Spring Boot, Azure, Spring
* Good experience in creating and consuming Restful Web Services.
* Designed and developed backend application servers using Python.
* Followed MVC Structure and used Angular JS to develop Single page Application.
* Managed application deployment using Python.
* Have strong exposure and work experience on core java concepts collection API, Stream API, Parallel Streams, exception handling, Multithreading, concurrency, JDBC, modularity, executor service, fork and join frameworks.
* Used Perl as a Scripting language for server-side scripting of web pages.
* Upgraded Python 2.3 to Python 2.5, this required recompiling mod\_ python to use Python 2.5.
* Enhanced user experience by designing new web features using MVC Framework like Backbone.js, and node.js.
* Used Solr queries on top of Cassandra to fetch the results.
* Automated tests were coded in Java Script with Frog logic’s Squish or SmartBear’sTestComplete for client applications and coded in Java with Selenium for web application testing.
* Extensively implemented Angular JS components ng-click, ng-repeat, ng-model, ng-show, ng-clude etc.
* Developed client GUI modules using Swing, Java script and Flash.
* Used JUnit for testing the application and Maven for building Projects.
* Creation of a Tasty pie like module for Node.js - REST APIs design.
* Built Web pages that are more user-interactive using JavaScript and Angular Js.
* Developed JSP Views, Actions and delegating the tasks to corresponding session beans.
* Working on Struts Framework for developing the front-end application and extensively. Spring as middle tier for entire application.
* Involved in working with Struts Tiles for the common look and feel for a web application.
* Working on Web Services using Java API for XML Services (JAX-WS) and supporting, building, Azure deploying Web APIs Services.
* Wrote **Ansible Playbooks**with **Python SSH**as the **Wrapper**to Manage Configurations of AWS Nodes and Test.
* Connected server and database to update data information with Node.js and MONGODB.
* POC to manage **micro servic**es using architecture pattern Eureka Service discovery
* Wrote PL/SQL statements according to the need using Oracle 10g database.
* Working on an internal web-based client server application built with Struts 2 Framework using Oracle backend Database, working on establishing the relation for the different beans using the Hibernate.
* Involved in writing various components using Spring AOP and IoC framework.

**Environment:** Java , Struts Framework, Oracle, HTML Java script, Eclipse, PL/SQL, Junit, JDBC, Postman, Stored procedures , JUnit,, Web Logic Application Server, Intelli j, JPA,RSA, SQL,DB2,Hibernate, Ant, Jenkins, Nexus, JAX -WS Web Services,GCP, WSDL, EJB, DevOps, Kubernates,PCF,

**Client: Johnson and Johnson , Dallas, TX Sep2011 to June 2015**

**Role: Java Full stack developer/Java developer**

**Roles & Responsibilities**

* Involved in various phases of Software Development Life Cycle (SDLC) of the application like Requirement gathering, Design, Analysis and Code development.
* Developed a prototype of the application and demonstrated to business users to verify the application functionality.
* Created Hibernate XML files and Java class files to map the object relation Mappings.
* Developing front end of application using HTML, CSS, backbone.js, JavaScript, jquery.
* Used Angular Js framework where data from backend is stored in model and populated it to UI.
* Prepared user documentation with screenshots for UAT (User Acceptance testing).
* Used AWS DMS to work on data migration from S3 t0 RDS postgres
* Extensive experience in producing/consuming Rest based web services using JAX-RS, Jersey providers.
* Developed the administrative UI using Angular.js and Node.js.
* Developed and implemented the MVC Architectural Pattern using Struts Framework including JSP, Servlet, EJB, Form Bean and Action classes.
* Configured Swagger-UI registered Micro service with Eureka server to monitor service health check etc from Spring Boot admin console
* Worked on cloud environment AWS: created instances and migrated various applications to AWS Ana Azure services.
* using Hibernate for mapping java classes with database and using Criteria API and Hibernate Query Language (HQL).
* Hands on experience with MVC JavaScript frameworks such as Backbone.js, Angular.js and Node.js.
* Developed and designed Interfaces using Swing.
* Developed the web layer using Spring MVC framework.
* Have strong exposure and work experience on core java concepts collection API, Stream API, Parallel Streams, exception handling, Multithreading, concurrency, JDBC, modularity, executor service, fork and join frameworks.
* Build Micro services using Spring Boot and integrated with other micro services internally using Rest-Template
* Worked on a code generation framework that generated Java  Swing code from XML
* Developed web services in Java. Experienced with SOAP/WSDL. Have also designed and developed REST interfaces in Java.
* Developed Action Forms and Action Classes in Struts frame work.
* Developed Web API using Node.JS and hosted on multiple load balanced API instances.
* Implemented Struts Action classes using Struts controller component.
* Developed Web services (SOAP) through WSDL in Apache Axis to interact with other components.
* Integrated Spring DAO for data access using Hibernate used HQL and SQL for querying databases.
* Implemented EJBs Session beans for business logic.
* Used parsers like SAX and DOM for parsing xml documents and used XML transformations using XSLT.
* Wrote stored procedures, triggers, and cursors using PL/SQL and Azure.
* Created and deployed web pages using HTML, JSP, JavaScript and CSS.
* Wrote JUnit Test cases for performing unit testing.
* Used ANT automated build scripts to compile and package the application.
* Used Jira for bug tracking and project management.

**Environment**: Java, JSP, JDBC, Struts, Hibernate, Micro services, Design Patterns, XML, PL/SQL Developer, Web logic, Apache Axis, ANT, Clear case, Aws, JUnit, Web services, SOAP, XSLT, Jira.

**Education:** computer science in IIT Hyderabad in 2011