**Krishna Kanth Shivuni**

Sr. Java Full Stack Developer

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**SUMMARY:**

* IT professional with 11+ years of experience in Java and JEE technologies including analysis, design implementation, testing and maintenance of applications.
* Experienced in using Apache Parquet, a columnar data storage format, for efficient data processing and storage in big data environments, optimizing data retrieval and analysis
* Strong advocate for Test-Driven Development (TDD) and Behaviour-Driven Development (BDD) methodologies.
* Designed and implemented SAML-based Single Sign-On (SSO) authentication for a real-time healthcare application, allowing users to securely access multiple healthcare systems with a single set of login credentials.
* Configured and managed JMS resources on popular providers such as Apache ActiveMQ, RabbitMQ, and IBM MQ, and optimized message throughput and reliability.
* RIA applications using Flex, HTML5, CSS, Ajax, Dojo and Node JS
* Have experience in API Management Technologies for more than 2 years in Apigee.
* Have a good experience with NoSQL databases like Mongo.
* Extensive usage of Multi-Threading using java.util.concurrency package.
* Proficient in MVC architecture using spring boot framework / JSP-Servlet and J2EE Design Patterns.
* Expertise in Struts and Hibernates Frameworks.
* Effective in leading programs utilizing C, C++, and client/server technologies with experience in many areas including health care and retailing.
* Experience in large-scale Software Development Life Cycle (SDLC) including Requirement Analysis, Project Planning, System and Database Design, UML design using Rational Unified Process and Object - Oriented Analysis and Design, Development, Testing, Implementation and Documentation.
* Over 10 years of experience in utilizing SQL Server for RDBMS, proficient in database architecture, query optimization, and performance tuning. Successfully managed large-scale database migrations and upgrades, implemented disaster recovery strategies, and developed comprehensive data security measures, significantly improving system reliability and efficiency across multiple projects.
* Ability to efficiently translate algorithms, ideas and concepts to software applications.
* Expertise with Object Oriented Design (OOD), Object Oriented Analysis (OOA), Object Oriented Modeling (OOM) based on Unified Modeling Language (UML) architecture.
* Experience in Agile software development process, Test Driven Development and Scrum.
* Experience in client-side designing and validations using HTML, CSS, JavaScript, AJAX, JQuery, Angular 14 and Nodes
* Utilized Java 11 features like Lambda expressions and Stream API for Bulk data operations on Collections which would increase the performance of the Application.
* Experience in developing client-side validations using Angular2/4/7 and in developing Custom pipes, Shadow DOM.
* Experienced in memory optimization, selecting the optimum degree of parallelism, and performance tuning of Spark applications.
* Implemented scalable and high-performance data storage solutions using NoSQL databases such as MongoDB and Cassandra to handle large volumes of unstructured data efficiently.
* Developed an automated claims processing system using Drools, which significantly reduced manual intervention by evaluating claims against a set of business rules to determine validity and payout amounts, streamlining the claims process.
* Utilized Webflux to build event-driven systems where services communicated asynchronously through events, improving decoupling and enabling a more scalable architecture for complex business processes.
* Led a team of analysts and developers in the end-to-end lifecycle of software development projects, from initial analysis to design, development, and deployment.
* Good experience in developing customized policies in Apigee Edge and developing API's in Apigee Baas.
* Developed Graphical User Interfaces using UI frameworks Angular and Webpages using HTML, CSS and JSPs for user interaction.
* Authored comprehensive technical design specification documents for complex component-based systems, ensuring clarity in project objectives and execution strategies.
* Skilled in developing dynamic and interactive layouts using Dojo's extensible widgets as part of Dijit - Dojo's UI framework.
* Designed, implemented, and deployed Java-based applications on AWS infrastructure, leveraging services such as Amazon EC2, Amazon RDS, and Amazon S3 to build scalable and resilient solutions.
* Designed and implemented multi-tiered system architectures using .NET Framework, integrating services and databases to support agile and scrum methodologies.
* Developed and maintained component-based systems, focusing on modular design to facilitate updates and maintenance without disrupting overall system functionality.
* Skilled in using Google Cloud Platform (GCP), Azure, and Amazon Web Services (AWS) for deploying, managing, and scaling web applications, enhancing operational efficiency and system reliability.
* Proficient in Extreme Programming (XP) and Scrum, with extensive experience in pair programming to enhance code quality and knowledge sharing among team members.
* Created User Controls and simple animations using Java Script and Python.
* Good knowledge of AWS cloud formation templates and configured SQS service through Java API to send and receive the information.
* Hands-on experience with daily scrums, sprint planning, and pair programming, leading to consistent delivery of high-quality software solutions that meet client expectations.
* Expertise in building web applications using Groovy and Grails framework, including creating controllers, services, domain classes, and views.
* Familiar with Dijit's \_TemplatedMixin mixin and using templates to quickly create custom widgets
* Development experience in Windows, Linux, Mac OS, Docker containers and UNIX operating systems.
* Experience in developing a data pipeline through Kafka-Spark API, Spring-Kafka and Confluent Kafka (KAFKA APIs, KAFKA CONNECT, KAFKA STREAMS)
* Worked on developing applications in Hadoop Big Data Technologies-Pig, Hive, Map-Reduce, Oozie, Flume, and Kafka, Spark Scala
* Familiarity with various build tools such as Gradle and Maven, and their integration with Groovy for efficient project management and automation.
* Actively contributed to open-source projects on GitHub, collaborating with developers worldwide to enhance functionality, fix bugs, and improve code quality.
* Mentored junior developers and conducted code reviews, unit testing, and documentation to ensure high code quality and adherence to JMS best practices.
* Requirement Analysis and preparation of understanding document for throttling implementation and solicited SIP implementation.
* Utilized Git and GitHub for version control and collaborative software development, managing code repositories, branches, and pull requests for Java projects.
* Proficient in using XML for data interchange, configuration, and web services, including parsing, transformation, and validation of XML documents
* Actively mentored new vendor resources, providing guidance on best practices in Java development, OOPS Concepts, cloud deployment, and troubleshooting techniques to ensure high-quality software delivery.
* Experienced in handling large datasets using Partitions, Spark in Memory capabilities, Broadcasts in Spark, Effective & efficient Joins, Transformations and other during the ingestion process itself.
* Experienced in AWS Elastic Beanstalk for app deployments and worked on AWS Lambda wif Amazon Kinesis.
* Experience in working with build management tools like Ant, Maven and Jenkins.
* Experience in installing, configuring, and tuning Apache Tomcat, WebLogic and WebSphere.
* Ability to work individually as well as in a team with excellent problem solving skills, and troubleshooting capabilities, learn new tools and concepts.
* Leveraged Groovy's dynamic typing and concise syntax to develop and maintain scalable web applications, reducing boilerplate code and increasing development speed by 25%.
* Engaged in pair programming practices as part of XP methodology, contributing to high-quality, maintainable code and fostering a culture of collaborative problem-solving.
* Worked on IDEs such as Eclipse/My Eclipse, and JBuilder.
* Demonstrated proficiency in Git branching strategies such as GitFlow and feature branching, facilitating parallel development and seamless code integration in team environments.
* Comprehensive knowledge of databases like MySQL, SQL Server, DB2 and Oracle writing Triggers, Stored Procedures and Normalization of databases.
* Implemented custom memory management strategies using Java's Unsafe API and off-heap memory allocation techniques to optimize memory usage and reduce garbage collection overhead in Java applications.
* Developed and maintained serverless applications using AWS Lambda, ensuring seamless scalability and integration with other AWS services such as S3, DynamoDB, and API Gateway. Highlight specific projects where you reduced operational costs and improved performance through serverless solutions.
* Leveraged AWS CloudFormation and Terraform to define and manage infrastructure as code (IaC), enabling version-controlled and repeatable deployment of AWS resources for Java applications.
* Experienced in integrating complex data solutions within enterprise environments using Mulesoft, StreamSets, and Databricks. Expertise in creating scalable and efficient data pipelines that support data consistency and accessibility across diverse platforms.
* Excellent troubleshooting & problem solving skills with Client-Server Applications & Web Applications.
* Designed Use Case Models, Use Case Diagrams, and Class Diagrams, sequence diagrams.
* Expertise in using issue tracking tools such as Quality Center and JIRA.
* Led collaborative efforts with external vendor teams, facilitating knowledge exchange and aligning development practices, which improved project outcomes and streamlined workflow processes.
* Experienced with building automation tools like Maven, Gradle, ANT and Jenkins for Continuous Integration.
* Worked with different version control systems like Tortoise SVN, GIT,Github, CVS and Visual Source Safe.
* Experience in development, deployment and troubleshooting Web-based and enterprise-based applications on Windows, UNIX and Linux platforms.

**EDUCATION**

* Bachelor’s of Engineering in Computer Science and Engineering from GITAM University, India. (2012)

**TECHNICAL SKILLS**

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| **Languages** | C, Java 11, J2EE, SQL, PL/SQL, C++, Python, PHP |
| **J2EE Technologies** | Servlets, JDBC, JSP, JSF, EJB, JNDI, Java Security |
| **Mark-up/Web****Technologies** | HTML5, CSS3, JavaScript, jQuery, AJAX, Angular 4/7, (v8/9), React.JS, D3.JS, Vue.JS, Node.JS, Require.JS, JSP, JSTL, XML, XSD, XSL/XSLT, SAX/DOM, JSON. |
| **Tools & Framework** | Struts, Spring, Hibernate, Spring MVC, Spring Web Flow, Spring IOC, Spring AOP, Spark,Spring Boot, Micro Services, JSF, JUnit, SOAP UI, ANT, Maven, Jenkins, Kubernetes |
| **Web services** | SOAP, Restful, UDDI, WSDL, JAX-RPC, JAX-RS, JAX-WS, JAX-B, Axis |
| **Messaging Services** |  (Active MQ, Rabbit MQ), Kafka and Apache Camel |
| **Web/App Servers** | IBM Web Sphere, Apache Tomcat, JBoss, Web Logic Server |
| **Database** | Oracle, My SQL, SQL Server, IBM DB2, Mongo DB, Cassandra |
| **IDEs** | Eclipse, IntelliJ, Spring Tool Suite (STS), RAD |
| **O-R mapping** | Hibernate, MyBatis |
| **Testing Tools/ Others** | JUnit, Soap UI, Putty, Rational Clear Quest, RTC, StarTeam |
| **Version Control** | Tortoise SVN, CVS, Rational Clear case, Git, Github and Mercurial, Docker |
| **OS & Environment** | Windows Win2k Server, Sun Solaris, UNIX, Linux |
| **Cloud Technology** | AWS (Amazon Web Services) and Azure |

**WORK EXPERIENCE**

**Albertsons, Pleasanton, CA June 2023 – Till Date**

**Title: Senior Java Full Stack developer**

**Responsibilities:**

* Led the Software Development Life Cycle (SDLC) for software projects, conducting in-depth analysis and design phases while employing Agile methodologies to ensure the prompt delivery of high-quality banking solutions.
* Led cross-functional teams in Java and Node.js projects, overseeing the entire software development life cycle from conception to deployment. Implemented cloud native applications using Spring Cloud to take the advantages of cloud ecosystem.
* Utilized Google Cloud Platform services such as Compute Engine, Cloud Storage, and Cloud SQL for deploying, scaling, and managing web applications efficiently.
* Utilized Docker for containerization and Kubernetes for orchestration to create scalable and resilient microservices architectures on GCP.
Developed robust and scalable Android applications using Java and Android SDK, adhering to industry best practices and design patterns.
* Designed and implemented efficient algorithms and data structures to optimize application performance on Android devices.
* Managed and maintained multiple relational database management systems (RDBMS), including MySQL, PostgreSQL, and Microsoft SQL Server, ensuring optimal performance and data integrity.
* Spearheaded the maintenance and enhancement of software post-deployment, ensuring optimal performance and scalability in line with evolving business requirements.
* Developed and maintained scalable and reliable digital receipt applications using Scala and Java technologies.
* OpenShift supports integrated continuous integration and continuous deployment (CI/CD) pipelines, which streamline the development and deployment processes.
* Developed Java-based ETL (Extract, Transform, Load) processes to efficiently extract data from various sources including databases, APIs, and flat files.
* Implemented robust data transformation logic in Java to standardize, cleanse, and enrich incoming data, ensuring data quality and consistency across the organization.
* Designed and optimized ETL workflows using Java technologies such as Spring Batch or Apache Camel, reducing data processing time by X%.
* OpenShift supports integrated continuous integration and continuous deployment (CI/CD) pipelines, which streamline the development and deployment processes.
* Integrated ETL pipelines with enterprise databases (e.g., MySQL, Oracle, PostgreSQL) and cloud-based storage solutions (e.g., Amazon S3, Google Cloud Storage) for seamless data loading and retrieval.
* Extensive experience in analyzing, designing, coding, debugging, integrating, and testing complex integration solutions within the Hyland Alfresco platform.
* Serve as a technical subject matter expert for both the Alfresco platform and a proprietary ingestion framework (IF) designed for document processing and loading into Alfresco.
* Provide guidance and validation for project plans, test plans, and implementation plans, ensuring alignment with project objectives and technical requirements.
* Define detailed development tasks, task dependencies, and accurate estimates for project completion, optimizing resource allocation and project timelines.
* Utilize expertise in Java programming language and AWS services to enhance and optimize Alfresco integration solutions, leveraging cloud infrastructure for scalability and performance.
* Collaborate closely with cross-functional teams to gather requirements, assess project feasibility, and propose innovative solutions to meet business objectives effectively.
* Stay updated on industry trends and best practices related to document management systems, Alfresco, Java development, and AWS technologies, ensuring continuous improvement and alignment with evolving business needs.
* Conducted code reviews and implemented best practices in Scala and Java to maintain code quality, performance, and maintainability of digital receipt applications.
* Collaborated with cross-functional teams, including product managers, designers, and QA engineers, to deliver high-quality digital receipt solutions using Scala and Java.
* Participated in Agile development methodologies, such as sprint planning, daily stand-ups, and retrospectives, to iterate and improve digital receipt applications developed in Scala and Java.
* Utilized Git for version control and collaborated with team members using Git workflows while developing digital receipt applications in Scala and Java.
* Provided technical support and troubleshooting for digital receipt applications developed in Scala and Java, diagnosing and resolving issues to ensure uninterrupted service for end-users.
* Leveraged Java, Scala, SQL, Big Data, Linux, Git, and Maven/Gradle to design and build fast, scalable, and flexible software solutions as part of day-to-day work responsibilities.
* Expertise in using Amazon Web Services AWS. Extensive experience in focusing on services like EC2, VPC, Cloud Watch, Cloud Front, IAM, S3, Amazon RDS, Elastic Cache, SNS, SQS.
* Implemented custom Flink operators and connectors to optimize data transformations and enrichments, improving processing performance and reducing latency.
* Worked on Kafka Connect for building connectors to integrate Kafka with various data sources and sinks, ensuring reliable data transfer and interoperability across different systems.
* Collaborated with cross-functional teams to design and deploy end-to-end data pipelines, from data ingestion to analytics, using Flink and Kafka as core components.
* Led the design and implementation of a digital receipt platform on AWS infrastructure, utilizing services such as AWS Lambda, Amazon S3, Amazon SQS, and Amazon DynamoDB.
* Developed RESTful APIs and microservices using Python (Flask/Django) and Java (Spring Boot), facilitating seamless communication between frontend and backend systems.
* MySQL and MongoDB to design, implement, and optimize data storage solutions for improved performance and scalability.
* Provided technical leadership and guidance to development teams, fostering a collaborative environment focused on innovation and continuous improvement.
* Conducted thorough analysis, testing, and debugging of software applications, ensuring compliance with quality standards and regulatory requirements.
* Adapted quickly to changing technologies and industry trends, continuously enhancing skills and knowledge to stay at the forefront of software development practices.

**Environment**: Java 11, J2EE, Spring Boot, Spring MVC, HTML, CSS, JavaScript, TypeScript, Angular 14, Kubernetes, AWS (EC2, RDS, S3, Lambda, CloudFront, CloudFormation, CloudWatch, ELB, Route 53, IAM), CircleCI, Hibernate, Gradle, NetBeans IDE, WebSphere, PostgreSQL, Golang, RabbitMQ, CVS, Redmine, Logback.

**Charter communications, Rancho Cucamonga, CA Sep 2020 to May 2023**

**Sr. Java Full Stack Developer**

**Responsibilities:**

* Conducted performance tuning and optimization of NoSQL database queries and operations, improving response times and resource utilization for data-intensive applications.
* Designed and developed comprehensive automated testing suites with Karate, enhancing test coverage by 25% and reducing manual testing efforts by 40%
* Developed Groovy scripts to automate build and deployment processes, integrating with Jenkins and other CI/CD tools to streamline the software delivery pipeline.
* Involved in all phases of the Software Development Life Cycle (SDLC) using Agile Scrum methodology
* Developed Single Page Application (SPA) using Angular 14, Typescript, Angular 14 CLI, ExtJS, HTML5, CSS3, JavaScript, and Bootstrap.
* Used HTML5 for displaying the contents requires on a web page, CSS3 for styling, and Bootstrap for quickly designing and customizing the web pages.
* Worked with Angular 14 Controllers, Filters, Validations, Service, Factory, and creating custom directives to interact with the Restful services and connect with the back end.
* Developed views using Bootstrap components, Angular 14-UI, and was involved in configuring routing for various modules using Angular 14 UI Router.
* Familiarity with Oracle database administration tasks, including installation, configuration, backup and recovery, user management, and security administration, ensuring the stability and availability of database systems.
* Led the integration of jBPM with existing ERP systems to enhance workflow capabilities and improve real-time data accuracy, significantly boosting operational efficiency.
* Reduced load times by 30% and operational costs by 40% through optimizations and transitioning to serverless architectures.
* Integrated Drools into an e-commerce platform to manage complex pricing strategies, promotional discounts, and special offers. The rules engine facilitated real-time price adjustments in response to inventory levels, competitor pricing, and customer behavior.
* Implemented security best practices in Fargate deployments, including the use of IAM roles and security groups to ensure compliance with corporate security policies.
* Leveraged Ionic's hybrid approach to build progressive web applications (PWAs) that provide a native-like experience across multiple platforms.
* Utilized Java Memory Model (JMM) and synchronized keyword to ensure thread safety and prevent data races and concurrency issues in multi-threaded Java applications.
* Utilized AWS Fargate for running long-term, resource-intensive tasks as part of a hybrid architecture with Lambda for efficient resource management and cost optimization.
* Experience in developing web applications using Oracle Application Express (APEX), leveraging its rapid development capabilities to create scalable and responsive user interfaces for Oracle-based systems.
* Proficient in Extreme Programming (XP) and Scrum, with extensive experience in pair programming to enhance code quality and knowledge sharing among team members.
* Worked on some of the new features of Angular 14 like new if-else syntax, ng-templates, and form validators.
* Accountable for engagement artifacts, support of architecture and solution management for Payer system solutions.
* Crafted dynamic and interactive web pages using JSP and servlets, which facilitated real-time data processing and display, improving user engagement for a content management system.
* Developed and maintained robust EJB components to encapsulate business logic in enterprise applications, significantly improving transaction management and scalability across multiple projects.
* Integrated Dojo/Dijit widgets into a custom e-commerce platform, resulting in a 15% increase in user engagement and transaction completion rates.
* Automated service scaling and load balancing using AWS Fargate in conjunction with Elastic Load Balancing, demonstrating your skills in maintaining optimal application performance and reliability.
* Utilized Mulesoft, StreamSets, and Databricks to architect and execute robust data integration pipelines, ensuring seamless data flow and synchronization across CRM, ERP, and marketing platforms, enhancing the 360-degree view of the customer.
* Employed BDD methodologies to align development with business requirements, facilitating clearer communication between business stakeholders and the development team, and delivering features that accurately met user needs.
* Utilized AWS Elastic Beanstalk to quickly deploy and manage Java web applications, automating infrastructure provisioning, scaling, and application deployment tasks.
* Implemented Angular 14 form validations and used Bootstrap to show errors, warnings, and info messages.
* Used Node Package Manager (NPM) for installing required Node modules and other Angular 14 NPM modules.
* Proficient in writing concise and expressive code using Groovy's dynamic typing, closures, and other language features.
* Utilized Drools to ensure compliance with healthcare regulations by embedding rules that automatically check for adherence to protocols such as patient data privacy, treatment guidelines, and insurance coverage.
* Integrated complex enterprise applications using RAD and WAS, implementing EJBs, Servlets, and JSPs to create a cohesive application architecture that supports robust business processes.
* Implemented connection pooling using JDBC, reducing overhead and boosting the performance of database-driven applications in a multi-user enterprise environment.
* Worked with Configuration management tools such as ansible, terraform and docker.
* Used multithreading for writing the collector parser and distributor process, which was getting Realtime data from Zacks API in the format of JSON, using multithreading improved the performance by a lot. More using concurrency packages of collections made it thread safe.
* Implemented Core Java (Version 11) Garbage Collections, Flight Recorder, Multithreading, Exception handling, Design patterns for functionality, also worked on Java 11 functional programming concepts, and lambda expressions.
* Created Typescript reusable components and services to consume REST API's using Component-based architecture provided by Angular.
* Provided Application Rationalization projects reviewing all levels of Payer applications & surround systems, Collecting, and Analysing.
* Built full-stack applications using Java and Groovy on the backend with integration to PostgreSQL databases, delivering end-to-end solutions that met critical business needs.
* Development of throttling implementation for Notification Services
* Experience in developing C++ services using web services architecture, SOAP, WSDL and XML.
* Configured Staging and Testing and Production environment for APIGEE Edge and APIGEE cloud-based sites.
* Developed the backend of the application using Spring Boot and handled the authentication, authorization, and access-control features by using Spring Security.
* Used Spring Dependency Injection, Spring MVC components, Spring Annotations, and other Spring Modules to implement the business layer and navigation part of the application.
* Developed DAO’s using JPA, and hibernate persistence API to interact and performed CRUD operations like Updating, deleting, and Inserting data on the MongoDB database.
* When an event is published, the Event Bus identifies the subscribers that have subscribed to the event and forwards the event to them.
* Implemented ELK (Elastic Search, Log stash, Kibana) stack to collect and analyze the logs produced by the spark cluster.
* Responsible for implementing Map Reduce programs into Spark transformations using Spark and Scala.
* Implemented Service Oriented Architecture (SOA) based RESTful Web services and made REST API calls from Angular 14 and parsed the data to the client.
* Tuned and optimized Java applications in cloud environments, achieving enhanced performance metrics by leveraging cloud-specific services and features from GCP and Azure.
* Used Postman and SoapUI to test web services and Implemented OAuth 2.0 token-based authentication, and authorization for securing APIs using Spring Security for session fixation, and cross-site request forgery.
* Developed Microservices using Spring Boot, Spring Cloud, and Spring Security.
* Developed POC’s to create an interface between Backend to Frontend by using MongoDB, Express JS, TypeScript, Angular 14, and Node JS.
* Using APIGEE configuration and generated proxies service discovery definition, telemetry definition, logging and security.
* Worked on optimizing the performance of SAML-based authentication and authorization workflows, using caching strategies and optimizing database queries to improve response times.
* Using throttler it handles errors or exceptions that may occur during request or event processing, and take appropriate action such as retrying the request or logging the error.
* Responsibility of event ordering lies with the event bus or event queue, for receiving and processing events in the order they were produced, to ensure that they are handled correctly.
* Developed billing systems on overpayment Recovery services from third party vendors to Payers to help manage and reduce costs.
* Worked with Splunk and ELK stack for creating monitoring and analytics solutions.
* Design and deploy new features to streamline all manual operations.
* Optimized the performance of a financial trading system by implementing multi-threaded algorithms to handle real-time data processing and order matching with sub-millisecond latency.
* Involved in integrating hive queries into the spark environment using SparkSql.
* Work with component teams to resolve issues.
* DNS/DHCP, Load Balancing (F5 Networks, AWS ELB), Firewalls (Cisco Systems, Juniper Networks), IDS/IPS, IPSEC VPN)
* Conducted regular performance audits and optimizations on IBM DB2 databases, utilizing tools like IBM Data Studio and DB2 Explain to identify and resolve performance bottlenecks, achieving a 25% improvement in data processing speeds.
* Utilized IBM MQ Java APIs to develop and integrate messaging solutions within Java applications, enabling asynchronous data exchange and enhancing application decoupling in a microservices architecture.
* Participate in planning, implementation, and growth of our customer's Confidential Web Services (AWS) foundational footprint
* Coordinated with admins and Sr. Technical staff for migrating Terradata to Hadoop and Ab Initio to Hadoop as well.
* Setting up the build and deployment automation for Terraform scripts using Jenkins.
* Closely worked with the Kafka Admin team to set up Kafka cluster setup on the QA and Production environments.
* Knowledge of Groovy's testing frameworks such as Spock and JUnit, and their application in building robust and reliable unit and integration tests.
* Knew Kibana and Elastic search to identify the Kafka message failure scenarios.
* Extensive experience in deploying, managing and developing MongoDB clusters. Experience in creating JavaScript for using DML operation with MongoDB.
* Creation, configuration and monitoring of Shards sets. Analysis of the data to be shared, choosing a shard Key to distribute data evenly. Architecture and Capacity planning for MongoDB clusters. Implemented scripts for mongo DB import, export, dump and restore.
* Worked in a CI/CD environment with Jenkins, Maven, AWS, Ansible and Terraform.
* Built Cassandra Cluster on both the physical machines and on AWS
* Automated Cassandra Builds/installation/monitoring etc.
* Developed Microservices using Spring MVC, Spring Boot, and Spring Cloud.
* Used Microservices architecture, with Spring Boot-based services interacting through a combination of REST and Spring Boot.
* Generated property list for every application dynamically using python.
* Experienced in using Spark Core for joining the data to deliver the reports and for detecting fraudulent activities.
* Integrated XML data handling in IBM DB2 using pureXML features, which allowed for efficient storage, retrieval, and manipulation of XML data directly within the database, significantly reducing application complexity and improving performance.
* Excellent understanding and extensive knowledge of Hadoop architecture and various ecosystem components such as HDFS, JobTracker, TaskTracker, NameNode, DataNode and MapReduce programming paradigms.
* Worked on Automated cloud deployments using AWS cloud formation templates and Terraform.
* Implemented Microservices Architecture with Spring Boot-based RESTful services and consumed SOAP-based Web Services.
* Implemented database indexing, partitioning, and query optimization techniques to improve performance and efficiency in relational database systems, reducing query execution times and resource consumption.
* Worked on creating Microservices using Jersey and spring.
* Wrote Python scripts to parse XML documents and load the data in database.
* Used Maven for project management and creating JAR files and deployed it on the Web logic server.
* Built applications using IntelliJ IDEA and used Log4J for application logging and tracking mechanisms.
* Used SVN for version control management and code commits.
* Used the JIRA ticketing system to keep track of issues and monitor the status of tasks assigned to individuals.
* Conducted code reviews and made sure that best practices are maintained in the development process.
* Coordinated with the testing team in fixing Bugs at various stages of the application development process.
* Developed Restful APIs and Microservices using Spring, Hibernate and Jersey.
* Involved in creating JUnit, Mockito-based unit test cases as the mocking technique for the objects under test.
* Designed and implemented a multi-threaded search engine using Java's Executor framework that improved search performance by over 50%.

**Environment**: JDK (Version 11), J2EE, EJB, Python, Angular 14 CLI, Typescript, Spring Boot,Azure, Rational Rose, Hibernate, Terraform, AJAX, JSON, XML, Postman, SoapUI, RabbitMQ, IIB, ODM, WAS, WTX, MQ, MongoDB, Node JS, Express JS, Web logic Server, Spark Core, Spark Streaming, Spark SQL, SVN, JIRA, Maven, JUnit, Mockito, Log4J, IntelliJ IDEA, APIGEE, APIGEE Edge.

**Cuna mutual group, Madison, WI. Oct 2018 to Aug 2020**

**Sr. Java Full Stack Developer**

**Responsibilities:**

* Developed user interfaces using JSP, and JSF framework with AJAX, JavaScript, HTML, DHTML, and CSS.
* Designed and developed the REST-based Microservices using Spring Boot.
* Designed and developed a MongoDB (NoSQL) based external RESTful API
* Designed and Developed the UI screens using JavaScript, TypeScript, Angular7/6 JSP requires, Html and CSS.
* Implemented the search functionality for Internal Applications using Angular7/6 and Node Js.
* Worked in ReactJs, for creating interactive UI using One-way data flow, Virtual DOM, JSX, and React Native concepts.
* Integrated relational databases with Java-based web applications using JDBC and Spring JDBC templates, enabling seamless data access and transaction management.
* Proficient in implementing robust error handling mechanisms within AWS Lambda functions, which minimized downtime and improved the reliability of applications.
* Applied Webflux's backpressure management in a data ingestion pipeline to regulate the flow of data from producers to consumers, preventing system overload and ensuring smooth data processing.
* Responsibility of event ordering lies with the event dispatch thread (EDT).
* Developed single page applications using Angular 2, Typescript, web pack and grunt.
* Implement Java 8 features including Lambda, Advanced for each loop, and Streams.
* Used Java 8, and Lambda expressions (for code optimization and improved performance).
* Developed the Web Based Rich Internet Application (RIA) using J2EE (Spring framework) and Macromedia/Adobe Flex.
* Designed and developed a MongoDB (NoSQL) based external RESTful API for exposing the functionality of an existing SaaS platform to clients in an agile work environment using a web client.
* Implemented application level persistence using Hibernate and Spring boot.
* Utilized JDBC to integrate SQL databases into Java applications, writing advanced SQL queries and optimizing connections, which resulted in a 30% increase in data retrieval efficiency.
* Worked in React JS for creating interactive UI using One-way data flow, Virtual DOM, JSX, and React Native concepts.
* Implemented IBM MQ security features including SSL/TLS encryption and channel authentication records (CHLAUTH) to ensure secure message transfers in compliance with GDPR and other regulatory standards.
* Collaborated with security teams to implement SAML-based Identity Provider (IdP) and Service Provider (SP) configurations, ensuring secure communication and data exchange between applications.
* Designed and tested disaster recovery plans using IBM MQ multi-instance queue managers and replicated data queue managers (RDQM), ensuring high availability and business continuity in critical systems.
* Developed Merge jobs in Python to extract and load data into MySQL database.
* Used core Java concepts like Collections, Generics, Exception handling, multithreading, IO, and Singleton Concurrency to develop business logic.
* Implemented continuous integration and deployment pipelines using RAD and Jenkins, automating build and deployment processes to WebSphere, which reduced deployment errors and shortened release cycles.
* Developed software for AWS in Java 8 (using Spring Boot, Framework, MySQL 5.6, AWS Aurora, Lambda, API Gateway, S3, SNS, SQS, Dynamo DB, EC2, (web application firewall) and Apache Tomcat web server.)
* Worked on Java 8 features like Lambda Expressions, Java Stream API and Concurrent Accumulators.
* Developed environments of different applications on AWS by provisioning on EC2 instances using Docker, Bash and Terraform
* Developing multiple Java-based Kafka Producers and Consumers from scratch as per the business requirements.
* Responsible for creating, modifying and deleting topics (Kafka Queues) as and when required by the Business team.
* Worked with application teams to install an operating system, Hadoop updates, patches, and version upgrades as required.
* Implementation throttler should limit the rate at which requests or events are processed, to ensure that the system can handle the workload without becoming overloaded.
* Used Spark API over Cloudera Hadoop YARN to perform analytics on data in Hive.
* Configured deployed and maintained multi-node Dev and Test Kafka Clusters.
* Developed multiple Kafka Producers and Consumers from scratch implementing organization’s requirements.
* Developed a Multithreaded Kinesis Client Library consumer in python that processes data from Amazon Kinesis Data.
* Designed and developed the REST based Microservices using Spring Boot.
* Created RFP Micro service to provide RESTful API utilizing Spring Boot with Microservices.
* Configure backup, alerts, repairs and monitoring of Cassandra clusters using Ops center.
* Administered, monitored and maintained multi-data-center Cassandra cluster using OpsCenter and Nagios in production.
* Used MongoDB internal tools like Mongo Compass, Mongo Atlas Manager & Ops Manager, Cloud Manager etc.
* Worked on MongoDB database concepts such as locking, transactions, indexes, sharding, replication and schema design.
* Implemented robust security measures in IBM DB2 environments, including encryption, role-based access control, and audit logging, to protect sensitive data and comply with regulatory requirements such as HIPAA and PCI DSS.
* Worked on Big Data Integration &Analytics based on Hadoop, SOLR, Spark, Kafka, Storm and web Methods.
* Worked on analyzing Hadoop cluster using different big data analytic tools including Flume, Pig, Hive, HBase, Oozie, Zookeeper, Sqoop, Spark and Kafka.
* Used AWS Beanstalk for deploying and scaling web applications and services developed with Java.
* Lead daily stand-ups and scrum ceremonies for two scrum teams.
* Work with product owners to groom the backlog and plan sprints.
* Enhance the performance and capacity of the virtual system of an enterprise.
* Utilized Dojo's event system for grid editing and row selection, contributing to the development of data-driven web applications
* Designed stateful and stateless session beans (EJB) to manage user sessions in a high-traffic e-commerce platform, leading to a more personalized user experience and increased session stability.
* Working Knowledge in EC2 by creating snapshots, volumes and security groups for public and private instances.
* Designing and developing Restful API and services using best practices to interact within the Microservices and with the front end. Using spring MVC and spring rest.
* In charge of monitoring our new AWS infrastructure. Creating watchers, and alerts. Used Elastic search and Cloud Trail to create auditing and security alerts.
* Designed and developed business components using Spring Boot, Spring Dependency Injection (Core), Spring AOP and Spring Annotations.
* Utilized ORM frameworks such as Hibernate and JPA to abstract database interactions and facilitate object-relational mapping in Java applications, enhancing productivity and code maintainability.
* Utilized XML for configuration management in multiple Java-based applications, allowing for flexible application settings and easy deployment across different environments.
* Implemented a Continuous Delivery pipeline with Docker, Jenkins and GitHub and AWS AMI’s.
* Worked in a CI/CD environment with Jenkins, Maven, Ansible, AWS and Terraform.
* Responsible for Continuous Integration (CI) and Continuous Delivery (CD) process implementation using Jenkins.
* Using JIRA to manage the issues/project workflow Configuring Hibernate, Struts and Tiles related XML

files.

* Used IAM to manage and create AWS users and groups and used permissions to allow and deny access to AWS resources.
* Developed Splunk reports that provide a high-level overview of the Application's Health.
* Used Splunk for the engineering dashboards used by the developers for easy tracking of application health.
* Maintain documentation for the Installation, Implementation, deployment & Maintenance of the Kubernetes cluster and its components.

**Environment**: Java 1.8, J2EE, EJB, HTML5, CSS3, Bootstrap, JavaScript, Node.js, Angular7/6, Spring IOC, Spring Boot, Spring Security, Spring Batch, Spring MVC, XML, JSON, Git, Github, JDBC, Rabbit MQ, Oracle, Mongo DB, Docker, Kafka, Apache Spark, Hadoop, Splunk, Mockito, Gradle, Jenkins, WebLogic, Selenium, Restful, SOAP, Soap UI, Microservices, AWS, Agile Methodology, Log4J, JIRA and STS.

**Shopify, San Francisco| CA. Sep 2016 to Sep 2018**

**Sr. Java Full Stack Developer**

**Responsibilities**

* Worked on various use cases in development using Struts and testing the functionalities.
* Understanding of the whole revenue life cycle, including claims, pre- and post-adjudication, enrollment, provider, product, and customer service, including Medicare/Medicaid product lines.
* Involved in preparing the High Level and Detail level design of the system using J2EE.
* Created struts from beans, action classes, and JSPs following Struts framework standards.
* Experience with system deployments and the health care billing process from the payer side.
* Implemented the database connectivity using JDBC with Oracle 9i database as the backend.
* Involved in the development of model, library, struts and form classes (MVC).
* Worked in big data ingestion using streaming tools like Flume, Sqoop, Kafka, and Storm.
* Experience in Health Care Billing process from Payer Side and Systems implementations.
* Managed and optimized IBM DB2 databases for high-performance enterprise applications, implementing efficient schema designs, indexing strategies, and SQL tuning to enhance database responsiveness and throughput.
* Implemented data partitioning and indexing strategies in NoSQL databases to optimize data retrieval and query performance for diverse use cases and access patterns.
* Handled importing of data from various data sources, performed transformations using PIG, and MapReduce, loaded data into HDFS and extracted data from MySQL into HDFS using SQOOP.
* Used display tag libraries for decoration & used display table for reports and grid designs.
* Worked on streaming the analyzed data to the existing relational databases using SQOOP by making it available for visualization and report generation to the BI team.
* Involved in loading and transforming large sets of Structured, Semi-Structured and Unstructured data and analyzed them by running Hive queries and Pig scripts.
* Worked on core java, using file operations to read system files to present on JSP.
* Trained internal technical resources on Payer processes and future direction of HealthCare Payers & Medicare/Medicaid mandates.
* Employed IBM MQ monitoring tools such as IBM Tivoli Omegamon and MQ Visual Edit to monitor queue health, message flow, and performance metrics, facilitating proactive optimizations and maintenance.
* Knowledge of creating middleware components for applications in C/C++ utilizing design patterns, STL, multi-threading, data structures, and IPC (TCP/IP socket programming).
* Involved in the development of the underwriting process, which involves communications without side systems using IBM MQ.
* Developed robust and maintainable SQL queries, stored procedures, and database scripts to manipulate and retrieve data from relational databases, ensuring data integrity and consistency.
* Utilized RAD and WebSphere’s built-in monitoring tools to track application performance, identify bottlenecks, and apply necessary adjustments, ensuring high availability and optimal performance at all times.
* Involved in the design and estimation of the various templates, and components which were developed using Day CMS (Communique).
* Integrated NoSQL databases with other technologies such as Apache Kafka, Apache Spark, and Elasticsearch to build end-to-end data processing pipelines for streaming analytics and data-driven insights.
* Developed Java Web Services to poll clinical abstractor rules on mobile devices using JAX-WS API; utilized APL to modify grouper mappings; changed APL code to C++ for greater object-orientation and ICD-10 transition. Installed the Code Finder Interface Module (CIM) site containing XML rule definitions on the client workstation via LogMeIn Rescue, then set up VMware Player to control virtual machines housing the clinical abstractor and the coding and reimbursement system (CRS).
* Designed and implemented scalable and efficient data models for relational databases such as MySQL, PostgreSQL, and Oracle to support complex business requirements and optimize query performance.
* Expertise in integrating complicated business processes and transforming technology in the healthcare payer sector
* The CMS and Server side interaction was developed using Web services and exposed to the CMS using JSON and JQuery.
* Used PL/SQL stored procedures for applications that needed to execute as part of a scheduling mechanism.
* Built applications for scale using JavaScript and Nodes.
* Designed and developed an Application based on Struts Framework using an MVC design pattern.
* Developed Struts Action classes using the Struts controller component.
* Used SAX XML API to parse the XML and populate the values for a bean.
* Provided troubleshooting and error-handling support in multiple projects.
* Used Jasper to generate rich content reports.
* Environment: Flex, EJB, spring, JSP1.2, Servlets2.1, Jasper reports, Scala, IBM MQ, XML, Nodes, SOAP, Apache Tomcat, Clear Case, Log4J, ANT, Scala, JUnit, Eclipse, UDDI, WSDL, Angular7/6, AWS, JDBC, JNDI, Microservices, Spring boot, Rational Rose 98, Oracle 10g, XSLT, XML, UML, HTML.
* Truven Health, Denver, CO Columbus, OH Mar 2015 to Aug 2016
* Sr Java Full Stack Developer
* Responsibilities:
* Developed services that are reusable and interoperable, based on SOAP, WSDL, JAXWS, and JAXRPC Web services.
* Well-versed with core Java concepts like Collections, Swing, Serialization and Servlets, Multi-Threading& JSP.
* Provided installation, configuration & maintenance of pre-prod and production Cloud environments including services such as Tomcat, Apache, Jetty, MySQL, and Jira.
* Developed POJO objects and used Hibernate as the Object-Relational Mapping (ORM) tool to access the persistent data from SQL Server.
* Hands-on writing Stored Procedures, functions, triggers, DDL, and DML SQL queries. Experience in writing SQL, PL/SQL programming and SQL Loader.
* Designed and implemented data migration and synchronization workflows between relational and NoSQL databases, ensuring data consistency and integrity while transitioning to a distributed data architecture.
* Worked with the UI and testing teams to provide end-to-end testing. examiner of the test cases created by the integration testing team developed modules using UNIX shell scripting and C/C++.
* Worked on Hibernate object-relational mapping per database schema.
* Troubleshooting issues that may occur during the test cycle (Functional & load test) for the J2EE applications on the spring framework running on WebLogic/JBoss servers.
* Maven to build, run and create JARs and WAR files.
* Was part of load testing of SOAP Web Services using SOAP UI and Apache Meter tools.
* Developed Test classes using JUnit and Easy Mock and test coverage using EMMA plug-in.
* Worked with Splunk to log and analyse defects status.
* Developed a GUI to help to read the logs generated by the scripts, the logs were saved in the GUI and were created using flask, D3, and jQuery table sorter.
* Implemented Internationalization using Spring MVC Interceptors and spring core modules.
* Worked on Spring security, form based authentication with Cross-Site Request Forgery CSRF token and secured REST endpoints with HTTP Basic authentication
* Prepared and presented UNIX production and implementation schedules to the Project Manager and client.
* Wrote PL/SQL Queries, stored procedures, triggers and prepared statements.
* Developed Business components using Java Objects, Core Java, Multithreading, Servlets, and JSP.
* Involved in creating dynamic website design and programming using HTML, CSS, and JavaScript.
* Involved in generating JAXB classes from schema files.
* Developed custom directives, Factories and Services in Angular4/2.
* Developed cross browser compatibility code using CSS.
* Built HTML and CSS system for controlling text display issues cross-platform and cross browser.

**Environment**: UNIX, JBoss, Spring core, Angular4/2, JMeter, Jetty, Core java, Spring MVC, Microservices, Spring boot, Hibernate, SOAP/Rest Web services, Ajax, XML, jQuery, HTML, CSS, TC Server, SASS, JAX-B, SVN, Maven, Jenkins, SFX.

**AutoZone, Dallas,Tx. Oct 2013 – Feb 2015**

**Java Developer**

**Responsibilities:**

* Designed the UML class diagrams and sequence diagrams using Rational Rose
* Used HTML, XML, CSS, AJAX and JavaScript for developing front-end pages and client side validations
* Involved in designing of LDAP-backed authentication system for employee secure login
* Communicating with the BA's for any requirements changes, attending meetings with them regarding design reviews and code reviews
* Agile delivery of software using SCRUM methodology
* Development, enhancements and bug fixes in the application
* Involved in the design, development and analysis of the application. Participated in users' meetings along with the Business Analyst for requirements gathering and analysis
* Used MAVEN for creating and deploying the .war files
* Developed the J2EE components in the IDE tool, RAD
* Code Review for Roster, System, Node and Product modules
* Implemented persistence layer using Hibernate that uses the POJO classes to represent the persistence database tables
* Developed the application using Spring MVC Framework integrated with Hibernate
* Used Spring IOC, Spring ORM, and Spring MVC modules for developing the application
* Used Oracle as a backend database and was responsible to configure and write stored procedures to create, insert, delete and modify data in the database
* Coding JUnit test scripts of the SG, SSG, Role Management, Event Notification and Authorization modules

**Environment**: JDK 1.4/1.5, J2EE, JSP, Servlets, Spring MVC, Hibernate 3.x, Struts Tiles and Validator Frameworks, i18n, JUnit, RAD 6, WebSphere Application Server, HTML/DHTML, AJAX, CSS, XML, XSLT, JavaScript, Rational Rose, Agile(Extreme Programming), Oracle, I Planet Directory Server, Web Services, Apache Axis, Maven, CVS.

**Tech Vedika Software Pvt Ltd - India Aug 2012- Sep 2013**

**Java Developer**

**Responsibilities:**

* Used Waterfall approach for the Software Development
* Analysing C source code already in existence to ascertain current programming concepts
* Also, worked with the PDF and EXCEL format file download of user data on JSPs when the user wanted to save his/her data on JSP page tables.
* Involved in SDLC– Requirements gathering, Conceptual Design, Analysis, Detail Design, Development, System Testing and User Acceptance Testing
* Developed a C application that changed the interface between two distinct database types.
* Used another Jakarta commons logging, ANT and SVN.
* Involved in implementing the DAO pattern for database connectivity and used the JDBC API extensively.
* Involved in collecting requirements from Business Users and Data Modeling, designing and developing Tools using J2EE, Java, Servlets, EJB, and JSP.
* Worked on WSDL’s files in SOAP web services for publishing Services and for consuming some web services.
* Implemented Use Case Diagrams and Sequence Diagrams during the design phase using Rational Rose.
* Designed and developed the UI using JSP, HTML, CSS and JavaScript.
* Involved in writing complex queries using PL/SQL to extract data from the database and delete the data and reload the data on the Oracle database
* Developed user interface with Servlets and JSP.
* Responsible for creating Servlets, which route submittals to appropriate Enterprise Java Bean (EJB) components and render retrieved information.

**Environment**: C, C++, Java 1.6, XML, XSL, JDBC, SQL, PL/SQL, SOAP, Eclipse, Ant, SVN.

**CERTIFICATIONS**

* AWS certified Solutions Architect Associate
* Certified AZURE Developer Associate
* Python Certified
* Java Certified