**Name: Ashvitha M**

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**PROFESSIONAL SUMMARY:**

* 8+ years of experience in Cross-Platform (Web & Client-Server) application development and design using Object-Oriented Programming, Core Java, J2EE technologies.
* Good experience working on different levels of Software Development Life Cycle (SDLC) and Agile Methodologies.
* Experience in using Core technologies like Java, Servlets, JSP, Custom tags, Spring Boot, JDBC, Microservices, Java Beans, JSF, EJB, JavaScript, Web Services, AngularJS, jQuery, MVC, Struts, Spring.
* Strong experience in Core Java skills including Multithreading, Collections, Garbage Collection.
* Experience in developing applications using Spring Bootand implementing Hibernate database access methodologies.
* Extensive experience on developing web applications using Spring Boot, Spring Security, Spring Core, Spring MVC, Spring AOP, Spring Actuator, Spring ORM, Spring JPA and Spring REST.Experience on Linux and Unix Flavors.
* Extensive experience in developing Microservices using Spring Boot, Netflix OSS (Zuul, Eureka, Ribbon, Hystrix) and followed domain driven design.
* Experience in implementing various design patterns including Data Access Object, Prototype, Factory, Abstract Factory, Builder, Observer, Builder, Data Transfer Object and Singleton.
* Proficient in creating and consuming SOAP and RESTful web services in Spring Boot using JAX-WS, JAX-RS, and Spring Rest Controller.
* Experience in implementing OAuth2.0 for authentication-based web application and accessed their APIs for fetching data services.
* Experience of working in web technologies jQuery, JavaScript, CSS3,Bootstrap, Ajax, HTTP, XSD, WSDL and HTML5.
* Good understanding of implementing web applications using Angular JS, Angular 2/4/6/7/8/9, ReactJS framework, Redux, Flux, Node.js.
* Good experience in building internal security model into new projects using Spring Batch, Spring Microservices and Spring Boot also Pivotal Cloud Foundry (PCF).
* Experience on RDBMS such as Microsoft SQL Server, ORACLE, MySQL, PostgreSQL, Aurora and DB2 and NoSQL databases such as MongoDB, Cassandra, DynamoDB.
* Experienced in Node environment using Node.js, Npm.
* Good experience in PL/SQL, writing stored procedures, functions, and triggers.
* Experience in working with API’s (SSL, CORS, JWT), API Gateway, REST and SOAP Web Services using Ajax, JSON.
* Experience in using build/deploy tools such as Jenkins, Docker and AWS for Continuous Integration & Deployment for Microservices.
* Good experience on working with Amazon Web Services like EC2, S3, Amazon Simple DB, Amazon RDS, Amazon Elastic Load Balancing, Amazon SQS, AWS Identity and access management, AWS Cloud Watch, Amazon EBS and Amazon Cloud Front.
* Hands-on experience in using message brokers such as ActiveMQ, RabbitMQ and Apache Kafka.
* Experience in writing ANT, Gradle, Maven and Jenkins build scripts, writing unit test cases using JUnit, Mockito, Easy Mock, TestNG and used Log4j, Slf4j, Log InSight for bug tracking.
* Experience in working with frontend testing tools like Karma, Jasmine, Chai, and Jestandperformance testing tools like JMeter.
* Experienced in using Version Control Tools such as Git, Subversion, CVS, and Clear Case.
* Excellent skills in programming using a wide variety of languages and the ability to adapt to new latest technologies and work in a multi-platform environment.
* Intense Knowledge with Continuous integration and hands-on experience on tools likeHudson, Sonar, Jenkins, Apache Ant, Maven, Bamboo, MS Build.
* Experience in writing unit test-cases in a Java environment using Junit, Mockito and Power mock, JIRA.
* Experience in analyzing software requirements related to new functionality needed by users to identify required changes and enhancements to software applications.
* Expertise in using IntelliJ, Eclipse, MySQL Workbench, DBeaver, Postman, Curl, Swagger and VS Code for the complete development in the applications.

**TECHNICAL SKILLS:**

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| --- | --- |
| **Programming Languages** | C, C++, Java/J2EE, SQL, PL/SQL, HQL, Python |
| **Java Technologies** | Java 1.8/11, Microservices, EJB, Servlets, JSP, JSTL, JAX-RS, JDBC, JNDI, JMS, JAXB, JUnit, Mockito, AWT, Spring MVC, Spring AOP, Spring DAO, Spring Core, Spring Security, Spring Actuator, Spring Boot, JPA, Hibernate, Spring JDBC, Spring Data JPA, Spring Data REST,Log4j, ActiveMQ, RabbitMQ,Apache Kafka, Netflix OSS, JMeter. |
| **Frameworks** | Spring, Hibernate, MEAN Stack, MERN Stack |
| **Scripting Languages** | JavaScript, TypeScript, jQuery |
| **Web Technologies** | HTML/HTML5, CSS/CSS3, Bootstrap, JSP, Ajax, XML, JSON,NodeJS, Express, ReactJS, AngularJS, Angular 2/4/6/7/8/9 and Karma, Jasmine, Chai, and Jest |
| **Databases** | Oracle, MySQL, DB2, SQL Server, PostgreSQL, NoSQL: MongoDB, Cassandra, DynamoDB |
| **Version Control** | CVS, Clear Case, SVN, Git |
| **Cloud Technologies** | AWS, Azure, PCF |
| **Build Tools** | Maven, Gradle, Ant |

**PROFESSIONAL EXPERIENCE:**

**Kraft Heinz, Chicago, IL Aug 2021 - Present**

**Sr .JavaFullstack Developer**

**Responsibilities:**

* Involved in requirement gathering, planning, designing, developing using SDLC methodologies like Agile.
* Designed, developed, and tested HTML5, CSS3, Bootstrap, JavaScript, TypeScript, jQuery, Angular 9, and React.JS that meets accessibility and web browser standards for website.
* Developed SPA (single page application) project using Angular 9 and Typescript for frontend, Node JS and Postgres for backend.
* Involved in developing applications using Angular.JS like Grids, Toolbars, Panels, Combo-Box and Buttons.
* Created Typescript reusable components and services to consume REST API's using Component based architecture provided by Angular 9 and Node JS.
* Software development activities and ensuring process adherence and quality deliverable.
* Used Java 11 features such as Lambdas, Streams, Observables, and Compliable Future in logic design and development.
* Involved in using Core Java 1.8 concepts like Streams API, Time API, Functional Interfaces, Transaction Management, Exception Handling, and Lambda functions, Generics and Collection API.
* Implemented Java 1.8 features such as lambda expressions, filters, and Parallel operations on collections for effective sorting mechanisms.
* Processed and stored data using Java 1.8 features like Streams & Lambda expressions and design Singleton, Data Access Objects, Factory and MVC design patterns.
* Actively involved in coding using Java 1.8 features, Spring 4.x to develop features from end to end.
* Implemented Custom Exceptions depending on the API Responses.
* Developed, implemented, and tested Node.js applications.
* Involved in implementing OAuth2.0 for authentication-based web application and accessed their APIs for fetching data services.
* Used Spring Boot, which is radically faster in building cloud MicroServices and develop Spring MVC, based application with very less configuration.
* Used Spring Security for authentication and authorization of users, Spring JDBC for easy database operations using JDBC template, writing row mappers and Spring Boot easy bootstrap applications from scratch.
* Implemented the authentication and authorization of the application using Spring Security and OAuth2.
* Used Spring JDBC for persistence objects into Oracle database.
* Implemented the function to send and receive messages on ActiveMQ synchronously and asynchronously.
* Implemented Zipkin for distributed MicroService Monitoring.
* Integrated Swagger UI and wrote integration test along with REST document.
* Developed all REST APIs using Hystrix commands and Feign clients for efficient fault tolerance and handling fallback mechanisms.
* Created automated script for REST-API testing using Rest Assured framework.
* Designed and developed the RESTful web services using the JAX-RS API to communicate over the network.
* Migrated SOAP web service resources to Spring RESTful web services resources using Spring REST API with Spring Boot.
* Experience in consuming and producing REST Web Services using Spring Rest Controller with data exchange format as JSON/XML.
* Installed Pivotal Cloud Foundry on EC2 to manage the containers created by PCF.
* Used Kafka to load data in to HDFS and move data into NoSQL databases.
* Setup full CI/CD pipelines so that each commit a developer makes will go through standard process of software lifecycle and gets tested well enough before it can make it to the production.
* Helped individual teams to set up their repositories in bit bucket and maintain their code and help them setting up jobs which can make use of CI/CD environment.
* Build scripts on AWS cloud for scheduling EC2 auto scaling load balancer with python sdk.
* Created and managed cloud VMs with AWS EC2 Command line clients and AWS management console.
* Worked on AWS Cloud watch and AWS ELB for Load balancing and worked on ELB for the performance testing by sending 5000 requests per minute.
* Created functions and assigned roles in AWS Lambda to run python scripts, and AWS Lambda using java to perform event driven processing.
* Developed Mockito and JUnit test cases to improve code coverage.
* Involved in various phases of Software Development Life Cycles (SDLC) like Design, Development and testing phases, and developed Use Case diagrams, Class diagrams, and Sequence diagrams.
* Designed an API Life Cycle template for the API business objectives before building a programmatically accessible platform.
* Manipulated data using CRUD operations of MongoDB database management system and handled database access using NodeJS.
* Tested the performance of our API using SoapUI, Postman, and JMeter.
* Utilized AWS Services platform to upload data into AWS S3 buckets and creating EC2 instances.
* Used Jenkins server for code monitoring during code integration phase.
* Implemented modular approaches for backend on AWS’sElastic Beanstalk and implemented interfacing with MySQL/Aurora DB on AWS’s RDS, allowing for scalability.
* Utilize EBS to store persistent data and mitigate failure by using snapshots.
* Used JIRA as the bug tracking system to track and maintain the history of bugs/issues on everyday basis.

**Environment:** Java 1.8/11, Spring, Spring MVC, AWS, Hibernate, Spring Boot, Microservices, Kafka, LINUX, Maven, RESTful Web Services, Jenkins, HTML5, CSS3, Angular 9, React JS, Bootstrap, JavaScript, jQuery, Ajax, Node.js, MongoDB (NoSQL), SoapUI, Swagger, SonarQube, Postman, Jenkins, JUnit, JMeter, Git, PCF, JAX-RS, JIRA, Cucumber, Agile.

**World Fuel Services, Miami, FL Nov 2019 – Aug 2021**

**Sr. JavaDeveloper**

**Responsibilities:**

* Involved in Requirements gathering, Analysis, Design, Development and Testing of application using AGILE methodology (SCRUM) in a Test-driven Development (p) approach.
* Developed and designed the web interface using HTML5, CSS3, TypeScript, Angular 6.
* Used React JS for templating for faster compilation and developing reusable components.
* Developed single page applications using React Redux architecture, ES6, web pack and grunt.
* Developed various screens for the front end using ReactJS and used various predefined components from NPM (Node Package Manager).
* Used Axios with React Native for making Ajax calls.
* Responsible for React UI and architecture. Building components library, including Tree, Slide-View, and Table Grid.
* Developed cross platform server-side applications using Node, BackBone.js and Angular to achieve scalability in real-time web applications.
* Created Typescript reusable components and services to consume REST API's using Component-based architecture provided by Angular.
* Use Spring Boot, which is radically faster in building cloud based Micro services with very less configuration.
* Used Spring IOC, AOP for creating beans and transaction management.
* Use Spring Security (JWT) to control the Authentication and Authorization to access the resources.
* Use Spring JPA, Hibernate, Hikari to establish and manage database connection pool and leaks, perform data transactions.
* Have Written Groovy Scripts which makes use of Java libraries and classes already implemented.
* Used a Microservice architecture with Spring Boot based services interacting through a combination of REST to build, test and deploy identity Microservices.
* Initiating alarms in CloudWatch service for monitoring the server's performance, CPU Utilization, disk usage etc. to take recommended actions for better performance.
* Developed environments of different applications on AWS by provisioning on EC2 instances using Docker, Bash and Terraform.
* Involved in using react.js for creating interactive UI’s using one-way data flow, Virtual DOM, JSX, React Native concepts.
* Developed user interface by using the React Js, Flux for SPA Development.
* Worked in using React JS components, Forms, Events, Keys, Router, Animations, and Flux concept.
* Worked on Angular Guards like canActivate, canActivateChild, canDeactivate, resolve,canLoad for preventing unauthorized access.
* Experience using Springand AIML to create a web-based chatbot.
* Having knowledge of a Java library for creating chatbots.
* Extensively involved in infrastructure as code, execution plans, resource graph and change automation using Terraform.
* Experience in using build/deploy tools such as Jenkins, Docker, and OpenShift for Continuous Integration & Deployment (CI/CD) for Microservices.
* Used Message broker services like Rabbit MQ, Active MQ for asynchronous processing of messages in a micro service architecture.
* Made use of a Data Access Object (DAO) design pattern for designing data access layers.
* Worked on generating the classes for SOAP and RESTful web services using Apache CXF.
* Used Microservice architecture with Spring Boot based services interacting through a combination of REST and Apache Kafka message brokers and worked with Kafka Cluster using ZooKeeper and Scala microservice.
* Used Microservice architecture with Spring Boot based services interacting through a combination of REST and Apache Kafka message brokers and worked with Kafka Cluster using Zookeeper.
* Designed and implemented an application using Spring Boot, Spring IOC, Spring transactions, Dependency Injection, Spring Annotations, Spring AOP, Spring Actuator, Spring Container managed transactions.
* Worked on Configuration of Internal load balancer, load balanced sets and Azure Traffic manager.
* Used Docker to virtualize deployment containers and push the code to EC2 Cloud using PCF.
* Worked with unit testing of Angular applications using Jasmine and Karma and Spring Boot applications using JUnit, Mockito and performed end to end testing using Protractor.
* Worked on Jenkins for the Continuous Integration and Continuous Deployment.
* Managed source code using GitHub, Bitbucket, performed operations like push, pull and used git bash to commit and perform changes to repositories.
* Used JIRA as the bug tracking system to track and maintain the history of bugs/issues on everyday basis.
* Worked in an Agile based development environment and participated in Retrospective, Scrum session for better understanding, communication among team members.

**Environment:**Azure, Spring, Micorservices, Hibernate, Spring Boot, LINUX, Maven, RESTful Web Services, Jenkins, HTML5, CSS3, React JS, Redux, Flux, Kafka, Bootstrap, JavaScript, jQuery, Ajax, Node.js, MongoDB, SoapUI, Postman, JUnit, JMeter, Git, JAX-RS, PCF, JIRA, Cucumber, Putty, Agile.

**Macy’s, New York City, NY Aug 2018 – Nov 2019**

**Java Backend Application Developer**

**Responsibilities:**

* Involved in Requirements gathering, Analysis, Design, Development and Testing of application developed using AGILE methodology.
* Migrated existing Monolithic architecture to full-fledged Microservices architecture using Spring Boot in multiple stages.
* Designed GUI using JavaScript, HTML5, DOM, XHTML, CSS3, jQuery and React JS.
* Design and development of RESTful web services using framework built on top of Node js.
* Involved in creating a reusable component using React JS for DOM manipulation
* Used object storage container to store the secured files and retrieved from API by using Amazon Web Services (AWS).
* Involved in injecting dependencies into code using Spring IOC module of Spring Framework.
* Involved in Cross-Platform Mobile Development using React Native + Type Script based mobile app.
* Implemented Core Java concepts like Multithreading, Collections, I/O, Generics, and Exception Handling for complex business requirements.
* Developed Web Services using XML messages that use SOAP.
* Developed microservices application using Spring Boot and test the application with Spring Boot.
* Used Spring MVC for developing Restful APIs (web services), Spring Boot for microservices & Spring Core annotations for Spring Dependency Injection.
* Closely worked with Application using React.JS and Node.js libraries NPM, gulp directories to generate desired view and flux to root the URLs properly.
* Implemented Spring boot microservices to process the messages into the Kafka cluster setup.
* Involved in the functional usage and deployment of applications in Apache Tomcat Server.
* Implemented the authentication and authorization of the application using Spring Security and OAuth2.
* Involved in using React JS components, Forms, Events, Keys, Router, Animations and Flux concept.
* Worked on Swagger API and auto-generated documentation for all REST calls.
* Developed Microservices using SpringBoot v2, Spring Data With JPA, Oauth2, Spring Security and deployed on to Kubernates and integrated Microservice with Kafka MQ.
* Involved in maintaining and updating the procedure for ETL process.
* Involved in implementing Queries to the backend MongoDB database using Http service to fetch JSON contract.
* Develop various screens for the front end using React JS and used various predefined components from NPM (Node Package Manager) and Redux libraries.
* Composed and executed MongoDB scripts and queries to fetch and test data from NoSQL databases.
* Logging and monitoring with ELK stack.
* Implemented Spring boot microservices to process the messages into the Kafka cluster setup.
* Created JSON request and validated the response using postman Interceptor and Swagger UI.
* Performed GitHub/GitHub-Desktop bash and Terminal commands to clone, fetch, merge and push the code and created pull requests for changes that are made.
* Worked with Ansible Playbooks for virtual and physical instance provisioning, Configuration management, patching, and software deployment.
* Setup CI/CD pipeline process for the application using the Jenkins.
* Changing the AWS infrastructure Elastic Beanstalk to Docker with Kubernetes.
* Moving existing monolithic architecture to microservices and migrating them to AWS cloud.
* Used AWS Services platform to upload data into AWSS3 buckets and creating EC2 instances.
* Involving the code review and using the SonarQube to validate the violation.
* Apache Maven tool has been used for the build and deployment of the application.
* Developed JUnit test cases to improve code coverage.
* Developed and performed test cases using Jasmine and Karma for front end unit testing and used the Cucumber, Protractor and Http-server for the end-to-end testing.

**Environment:** Spring, Javascript, Hibernate, Spring batch, Spring Boot, Spring Security, HTML5, CSS3, Eclipse, Oracle, PCF, GITHub, Swagger UI, AWS, Docker, Log4j, JIRA, XML, Web Services, Kafka, Microservices, REST UI, Git, Maven, Jenkins, Agile.

**HSBC Bank, Hyderabad, India Mar 2015 - Oct 2017**

**Java/J2EE Developer**

**Responsibilities:**

* Involved in Requirements gathering, Analysis, Design, Development and Testing of application using AGILE methodology (SCRUM) in a test-driven development (TDD) approach.
* Developed Microservices business components and RESTful service endpoints using Spring Boot.
* Deploy the application on Amazon Web services (AWS).
* Used React JS in development of the web application to bind the data/model that is being retrieved from a database through services provided in a controller to the view using scope.
* Developed multiple enterprise applications using Spring Boot, Spring IOC, Spring JDBC, Spring Annotations, Spring AOP, Spring Integration, frameworks, RESTful webservices.
* Implemented authentication and authorization for the application using Spring Security and Oauth2.
* Used Spring Data JPA to create repositories to retrieve data and update the database.
* Implemented Spring IOC for Dependency Injection and to make the code loosely coupled and Spring AOP for logging purposes.
* Composed and executed MongoDB scripts and queries to fetch and test data from NoSQL databases.
* Implemented SOAP based JAX-WS Web services interfaces for integrating multiple systems, code re-usability and consumed JMeter to test performance of SOAP protocol.
* Implemented RESTful web services which produces both XML and JSON files to perform tasks, RESTful web service using Jersey for JAX-RS implementation, which leveraged both web & mobile applications.
* Developed Routing/Service code using Apache Camel in Java/J2EE.
* Configured WebLogic sever for deployment of WAR, JAR files on all Environments.
* Integrated SonarQube with Jenkins for continuous inspection of code quality and analysis with SonarQube scanner for Maven.
* Involved in Logging and monitoring using ELK stack.
* Used JProfiler for application performance tuning.
* Created a CI/CD pipeline using Maven, Jenkins, Ansible, Docker and AWS container service.
* Worked with OpenShift platform in managing Docker containers and Kubernetes Clusters.
* Worked on creating, retrieving, updating and deleting documents in MongoDB.
* Setup the Continuous Integration (CI) & Continuous Development (CD) for the application using Jenkins.
* Worked on Jenkins for continuous integration with Gradle and GitHub.
* Implemented configured JIRA issue tracking software with Agile plug-in across all the company functions.
* Involved in unit testing of various modules by generating test cases using Jasmine, Mocha, Karma, Jest and Enzyme.
* Used IntelliJ IDEA IDE tool for application development.

**Environment:** J2EE, HTML5, CSS3, JavaScript, jQuery, React JS, TypeScript, Bootstrap, Spring Boot, Spring IOC, Spring MVC, Log4j, SOAP, RESTful, Microservices Architecture, XML, AWS, Mongo DB, CI/CD, Maven, IntelliJ IDE, JUnit, JMS, UNIX, Jenkins, JIRA, Log4j, Git.

**Zero Touch, Hyderabad, India May 2013 to Mar 2015**

**Java Developer**

**Responsibilities:**

* Followed Agile methodology and prepared technical reports & documentation manuals during the program development.
* Actively participated in the Analysis, Design, Development and Testing phases of various applications.
* Used Spring Security for authorizing and authenticating the user to applications.
* Used MySQL, RDBMS database and created Data Models.
* Designed and developed Microservices using REST framework and Spring Boot and used Bootstrap along with AngularJS in creating the Application.
* Developed Single Page Applications (SPA) using Angular 2, TypeScript, HTML5, CSS3, and Bootstrap.
* Performed form validations using reactive forms from Angular 2 framework.
* Worked with different lifecycle hooks from Angular 2 like ngOnInit(), ngOnDestroy(), ngDoCheck(), ngAfterViewInit() etc.
* Created Services to consume REST API's and to communicate between components using Dependency Injection provided by Angular 2.
* Used Pivotal Cloud Foundry (PCF) CLI for deploying applications and other CF management activities.
* Implemented Struts MVC design pattern and front controller pattern to this project.
* Developed user interface by creating at least one webpage for each component using Struts web MVC and Action Servlet as front controller for this application.
* Developed Action Class components for performing business process execution and involved in configuration of struts configuration specific xml file.
* Implemented Spring JMS message listeners to consume JMS messages from queues and used Spring transaction management to manage the transactions in the application.
* Created Microservices to provide RESTful API and RAML utilizing Spring Boot with Microservices
* Made the integration of data in several applications in favor of JSON documents with dynamic schemas using MongoDB (NoSQL) database.
* Created various unit test cases and integration tests for the DAO, Service, and Controller components using JUnit classes, and Mockito.
* Used Git repository for version control, Maven, Node for building the application and Jenkins for continuous integration.
* Extensively used Log4j for logging throughout the application.
* Developed SCM by using the JSP/HTML like one form for each functionality user interface, standard validations using the JavaScript, Servlets used as the controllers for the business logic and business logic using JDBC, XML parsing techniques etc. using MVC.
* Created Routing hierarchy for different view by using AngularJS UI Router and isolating scopes in custom directives.
* Implemented logging for the whole application using Log4j.
* Work with NPM to set up the environment and install tools for AngularJS based Application.
* Implemented the user login authentication using AngularJS.
* Developed application using Angular JS and SOAP web services.
* Used SOAP for Web Services by exchanging XML data between applications over HTTP.
* Developed Single Sign On (SSO) functionality, through which we can run SCM from Oracle Applications.
* Used WSDL and SOAP for the development of the XML based applications.
* Used JDBC to persist Java Objects into the database.
* Involved in writing complex SQL queries and developed Stored Procedures to populate the database.
* Created various unit test cases and integration tests for the DAO, Service, and Controller components using JUnit classes, and Mockito.
* Used SVN for source code version control.
* Using JIRA tracking the issues and resolving them.
* Implemented Log4J for Logging Errors, debugging and tracking using loggers, and components.

**Environment:** Agile, JIRA, HP ALM, HTML5, CSS3, JavaScript, TypeScript, Ajax, jQuery, JSON, JDBC, Bootstrap, Angular 2, XML, JAXP, SAX, DOM, Spring, Hibernate, LINUX/UNIX, Node.js, Express, MySQL, HQL, JMS, JBoss, Apache Tomcat, Junit, Spring Web flow Tests, Protractor, Jasmine, Karma, Git, Ant, Jenkins, Log4j.