Kavitha Muppa

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Full Stack Developer (Java/Spring/Angular)

- Around 8 years of professional IT experience in Analysis, Design, Development, and Deployment of the scalable, reliable, and efficient enterprise applications using **UI, Java/J2EE technologies.**
- Experience in developing Projects by following **Agile** and **TDD** Methodologies.
- Expertise in developing **SOAP** and **RESTful** web services using various modules of Spring - **Spring Boot, Spring-MVC, AOP, DI, JMS, DAO, Transactions, Web Services, Test, and ORM.**
- Experience in implementing persistence layer using **JDBC**, **Spring DAO,** and **Hibernate**.
- Experience in deploying the applications in the **Kubernetes** cluster environment.
- Experience in deploying the applications to **Azure and AWS Cloud** environments.
- Expertise in UI development using **Angular, TypeScript, JavaScript, jQuery, HTML5, CSS3, BootStrap, and LESS.**
- Expertise in creating reusable **Components**, Services with Observables, Interceptors, and Filters, and writing Unit tests using TypeScript and Angular.
- Expertise in using TypeScript Angular CLI (Command line Interface).
- Experience implementing responsive web design with Cross Browser compatibility using CSS3, Bootstrap, LESS, SASS, and Angular material design.
- Experience in processing event-based real-time data with **Kafka.**
- Experience with build tools **Maven, Gradle,** and CI/CD tools **GitHub Actions** and **Jenkins**.
- Experience in monitoring and performance tuning of the applications with **Dynatrace.**
- Expertise in **UI Automation with Cucumber, Selenium,** and **API automation** with **Rest Assured.**
- Experience in writing **Unit** and **Integration** tests with **JUnit**, **Mockito, and Spring.**
- Solid Experience in Relational databases - **Oracle**, **DB2** and **PostgreSQL** and NoSQL Database, **MongoDB**.
- Expertise in **Collections**, **Threading**, **Generics**, Enumerations, Annotations, and Apache Utility Classes like StringUtils, CollectionUtils, etc.
- Experience in using Source Configuration Management Tool **Git.**
- Experience in writing custom sonar rules and fixing **Sonar** violations.
- Experience in deploying the applications in **Tomcat Server.**
- Good Working knowledge of various design patterns such as MVC, Singleton, Front Controller, Dao, Service Locator, and Factory.
- Quick to learn new technologies and ability to work in tight schedules on different applications concurrently.

Education: Masters in Computer Science. (Aug 21 - Dec 22)
Microsoft Certified AZURE Data Fundamentals

American Airlines, Dallas, TX   Mar 22 − Till date

Role: Sr. Full Stack Java Developer
- Involved in the development of Tarmac Monitor and Diversion Tracker Applications.
- Developed Restful web services using **Java and Spring Boot**.
- Used Java 8 features and Executer service to develop the back-end components.
- Used Executor Framework for performing the tasks in parallel.
- Used Giga space API to read the flight data from the cache.
- Written DAO layer using Spring JDBC and Spring JPA.
- Developed the applications using Azure resources and deployed them to the Azure cloud.
- Process the event-based big data with Apache Kafka.
- Developed the UI and backend components with TypeScript, HTML5, CSS3, Angular, and Spring.
- Created Components and services in Angular.
- Used HTTP Client, Observables, and Interceptors to perform the API calls.
- Used Subject from RxJs, @Input, @Output, and Event Emitter for communication between components.
- Used Angular Reactive forms to build UI forms.
- Written re-usable and manageable UI code with TypeScript and Angular.
- Used Jasmine and Karma to write unit tests.
- Written Unit, Integration, and ATDD tests using **JUnit, Mockito, SpringTest, Cucumber, and Selenium frameworks.**
- Created CI/CD jobs with GitHub Actions and Jenkins.
- Involved in deploying the application components (war, Streams jobs, Space PUS) to all environments **– DEV, TEST, STAGE, and PROD.**

Environment: Java8, Spring, Angular13, SQL Server, Git, Jenkins, Selenium, Azure Cloud.

FedEx, Memphis, TN   Dec 19 – Aug 21

Role: Java Developer
- Involved in the development of various modules in the Card online Servicing application.
- Involved in requirements gathering and preparing software requirement specifications.
- Implemented MVC design pattern using Spring Framework.
- Developed RESTful Web Services using REST controllers of Spring framework.
- Used Spring Framework and created the Dependency injection for the Action classes using Application Context.
- Developed applications using Spring MVC on the presentation layer, the business layer is built using spring and the persistent layer uses Hibernate.
- Implemented the DAO layer using Hibernate.
- XML was used to transfer the data between different layers.
- Implemented logging using log4j.
- Used JUnit framework for Unit testing of the application.

Environment: Java, Spring, Tomcat, SQL Developer, Git, Maven, Splunk, Oracle.

HP, Bangaluru, India   May 15 – Nov 19

Role: Java Developer
- Involved in developing various modules in Pangea app- Hotel Search, Availability, Booking, Guest Enrol, and Guest Update.
- Developed the presentation layer using HTML, CSS, TypeScript and Angular.
- Developed Service layer Using Spring and persistence layer using Hibernate.
- Worked on enhancements and defects.
- Extensively worked on various features of Hibernate such as Associations, Caching, Lazy loading, and HQL
- Extensively used Dependency Injection and AOP features of Spring Framework.
- Extensively worked on Web Services to send and receive data from NGT.
- Written complex SQL queries to perform efficient data retrieval operations.
- Written Unit, Integration Test Cases using Junit and Mockito technologies.
- Involved in the complete software development life cycle (SDLC)
- Developed the custom build scripts using the ant tool.

Environment: Java, Spring, Hibernate, Tomcat, Oracle, SVN, Ant Build, Log4J, Junit, Mockito.