

## Sharath K

Java Full Stack Developer

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### PROFESSIONAL SUMMARY:

- 8 years of experience in full Software Development Life Cycle that includes Analysis, Design, Development, and Testing of web based and client server multi-tier applications using Java technologies.
- Experienced in using the SCRUM framework in **Agile Methodology** to approach **Behavior Driven Development (BDD)** and **Test-Driven Development (TDD)**.
- Experienced in developing websites with **HTML5, CSS3, JavaScript, Angular, React, Node, AJAX, JSON, jQuery, Bootstrap, and XML**.
- Solid knowledge in developing Dynamic Single Page Application (SPA) using **MEAN (Mango, Express, Angular and Node JS)**.
- Experience in working with **Angular modules, services, templates, directives, and Routing and dependency injection**.
- Experienced in working with **Redux architecture** using complex Object-Oriented concepts in improving the performance of the websites.
- Good knowledge in using **Java API's** that includes **Collection, Concurrent, Serialization, IO Exception Handling, Multithreading** and latest java features.
- Worked in developing cross platform server-side JavaScript frameworks using **Express, Node JS and MongoDB**.
- Worked on different components of spring framework like **Spring Boot, Spring MVC, Spring DAO, Spring AOP and Hibernate frameworks**.
- Experienced in Developing Application based on **J2EE** using **Hibernate and Spring framework**.
- Developed and deployed **micro services**-based applications using **Spring Boot** and **Spring Cloud**.
- Hands-on experience with **Java Message Service (JMS)** to create, send, receive and read messages.
- Strong experience with **MongoDB** development (reports, schema design, map reduce functions) and migrations from **SQL relational databases** to NoSQL databases.
- Executed deployments, server migrations, **Single Sign-On (SSO)** solutions and upgrades as part of the IT team.
- Experienced in database modeling, design and development of PL/SQL stored procedures, packages in relational databases: **Oracle, SQL Server, PostgreSQL and MySQL**.
- Experienced in CI/CD tools using **Jenkins creation, GIT, Maven, Junit**.
- Worked on Implementing the **Apache Kafka** cluster as messaging system between the APIs and Microservices.

- Used **Log4j** and **Slf4j** utility to compute run-time logs for project management and version management.
- Used **Swagger** to document the API's and validated the REST API's using Postman.
- Strong experience in using container systems like **Docker** and container orchestration like **EC2 Container Service, Kubernetes**.
- Managed **Docker orchestration** and **Docker containerization** using Kubernetes.
- Expertise in **Amazon Web Service (AWS)** such as **EC2, EBS, Security groups and lambda**.
- Designed, configured and deployed Microsoft Azure for a multitude of applications utilizing the **Azure stack** (Including Compute, Web & Mobile, Blobs, Resource Groups, **Azure SQL, Cloud Services, and ARM**), focusing on high - availability, fault tolerance, and auto-scaling.
- Strong experience in using servers like **Apache Tomcat, Jboss, and WebLogic** to configure and deploy applications.
- Extensive experience with TDD using **JUNIT, Mockito, Jmeter**.
- Used **OAuth** authentication protocol respectively for security and authorization.
- Intellectual capacity to grasp new situations quickly and problem-solving skills.
- Excellent communication skills, leadership abilities, strong architectural skills, hardworking and a very good team worker.
- Experienced in developing applications using **Visual Studio, Eclipse, STS and IntelliJ**.

#### TECHNICAL SKILLS:

<b>Languages</b>	Java 11, JavaScript, PL/SQL.
<b>Web Technologies</b>	HTML, CSS, JavaScript, AJAX, Bootstrap, jQuery, JSON, Node JS, Angular, ReactJS
<b>Web service Frameworks</b>	Spring, Hibernate, Spring MVC, Spring Boot, Spring DAO, Spring AOP, Hibernate
<b>Application/Web Servers</b>	Web Logic Server, Apache HTTP Server, Apache Tomcat, JBoss
<b>Databases</b>	Oracle, SQL Server, MySQL, PostgreSQL, MongoDB
<b>Build Scripts &amp; DevOps Tools</b>	Maven, Ant, Jenkins, Docker, Kubernetes
<b>Cloud</b>	AWS, Azure, PCF
<b>Testing Tools/Others</b>	Junit, Mockito, Slf4j, Log4J
<b>Messaging Tools</b>	JMS, Apache Kafka, RabbitMQ

<b>Design patterns</b>	Singleton, Data Transfer Object, Facade, Data Access Object, MVC
<b>Software Methodologies</b>	Agile, TDD, Scrum, SDLC Waterfall.

## PROFESSIONAL EXPERIENCE:

**Client: Rabo AgriFinance**

**October 2021 - Present**

**Role: Full Stack Java Developer**

### Responsibilities:

- Worked as a part of **Agile** Software Development Methodology including **Scrum** methodology.
- Interacted with other team members to know the needs of the project during the data modeling and design phases.
- Accountable for team coordination, attending daily and weekly scrum sessions to update the work status, clarifying concerns, etc.
- Actively engaged in the software development life cycle's analysis, design, development, system testing, and user acceptance testing.
- Built Interactive web applications for backend systems using **HTML5, CSS3, and Typescript**.
- Built a single-page application with loading multiple views with route services to make it dynamic by using **React** and **Node JS**.
- I worked with **Redux**, Animations, Flux, Forms, Events, Keys, and **React JS** components.
- **JavaScript** and **jQuery** are used for validating the input given to the user interface.
- Extensively Involved in working on **Java 1.8** features like lambda expressions for Interacting between the business layer and database, and **Stream API** for Bulk Data Operations on Collections using both streams and parallel streams.
- Involved in **Designing** and **building microservices architecture** and **service mesh technologies** and implemented fail-safe and circuit breaker patterns in **Spring Boot** Microservice applications.
- Used **Angular Reactive forms** to implement complex forms and performed the **validations using Form Builder**. Used **Angular Material** components to develop the UI.
- Implemented **Router Module of Angular** to make the whole project a **Single Page Application** and **add routers** according to the requirements.
- Built **Angular 13 components, UI services** to consume REST services using **Component based architecture** provided by **Angular 13**.
- Designed and contributed **Kafka Microservices** for web applications for retrieving customer information along with current page load details.
- Created **Angular HttpClient** interceptors to add necessary **JWT tokens** for the outgoing requests from UI.
- Developed **configurable microservice** with 85% **JUnit** coverage which performs a check on a set of rules based on the validation-key given in the request body before placing each order
- Configured **Swagger-UI** to register Microservice with the **Eureka** server and monitored service health check from the **Spring Boot** admin console and **Spring Ribbon** for load balancing.
- Developed the application for incident creation and retrieving the events using restful web services with **Spring Boot**.

- Wrote authentication and authorization classes and manage them in the front controller for all the users using **Spring security**.
- Performed **CRUD** operations like Update, Insert, and Delete the data in **NoSQL** database **MongoDB** and data was integrated into numerous applications in favor of **JSON** documents with dynamic schemas.
- **SQL Queries, PL/SQL Stored procedures, triggers, and packages** are used for creating and extracting data from **PostgreSQL**.
- Implemented **Splunk service** and app monitoring for new applications, devices, and platform components as they are added to the system.
- Monitored **Azure Log Analytics** for troubleshooting the issues.
- Worked on continuous integration methodology for building and deployment of code in different environments using **Jenkins** continuous Integration.
- Used **Hibernate** in the data access layer to access and update information in the database.
- Authenticating Users and providing the security to Restful web services using **OAuth2.0**.
- For the application, **Git** was used as the version control system and used **Postman** to interact with API endpoints of the Microservices.
- Involved in Using **JIRA** to assign, track, report, and audit the issues in the application.
- Collaborated with team members, including Quality Assurance to reduce project delays.
- Implemented **Slf4j** for application logging and troubleshooting issues in debug mode.
- Involved in the process Documentation and audit compliance on **UNIX** and **Linux** servers.

**Environment:** Agile, Java 1.8, HTML5, CSS3, Typescript, JavaScript, React JS, jQuery, Json, Spring Boot, Spring Ribbon, Eureka, Eclipse IDE, Junit, Swagger, SQL, NoSQL, Hibernate, Jenkins, JIRA, Docker, Slf4j, Kafka, Git, Azure, Splunk, Stream APIs, UNIX.

**Client: General Electric**

**November 2020 – October 2021**

**Role:** Full Stack Developer

**Responsibilities:**

- Built and Implemented application components in an **Agile environment** utilizing a **Test-Driven Development (TDD)** approach.
- Involved in **Planning, Requirements gathering, Analysis, Design, Development, System Testing, and User Acceptance Testing** of the project.
- Participated in the project's **Planning, Requirements collecting, analysis, design, development, system testing, and user acceptance testing**.
- Involved in **Sprint** planning for the estimation of efforts for user stories and bugs.
- Design and implementation of web applications using **Angular framework**
- Created responsive UI web pages using **CSS3, Angular 10, and JavaScript** and has worked with Angular filters in expressions and directives to filter data in the UI.
- Created **UI screens** involving single page applications like **angular** and deployed them to improve the performance of **front-end data binding**, dynamic loading of modules and dynamic content.
- Created Re-useable components, **Custom Modules, Custom Directives, Pipes, Services** in **Angular 10**.
- Developed and Built **Microservices architecture** and integrated with **Angular 10** application.
- Improved the UI using **Angular 10, Angular Material, Bootstrap, Priming**.
- Implemented **JDBC** to perform the database calls from the Java layer.
- Build **java modules** implementing business rules and workflows using **Spring Boot**.

- Involved in Using **loosely coupled architecture** and developed Microservices in the application by using **Spring Boot**.
- Developed Web Application Using **Core Java, Spring, MongoDB, Angular 10, JavaScript**.
- Build **Microservices & APIs** using **Spring Cloud, Spring Boot, Spring Integration**.
- Used **Micro service architecture** with **Spring Boot** based services interacting through a combination of **REST** and **Apache Kafka** message brokers
- Developed the application using **Spring Boot** Framework and handled the **security** using **Spring Security**.
- Worked on **RDBMS PL/SQL programming** on **Oracle** and wrote **Stored Procedures** and **SQL Queries**.
- Developed **CI/CD** system with **Jenkins** on **Kubernetes** environment, Utilized **Kubernetes** and **Docker** for the runtime environment for the CI/CD system to **build, Test and Deploy**
- Good experience in setup, and configuring continuous build processes using **Jenkins**, and **Maven**.
- Worked on Building/Maintaining **Docker** container clusters managed by **Kubernetes, Gitlab**, and Docker on the **AWS** Platform.
- Worked on **AWS** cloud services like **EBS** for installing, configuring, and auto-scaling and **EC2** services.
- Developed **CloudWatch** filters for **CloudTrail** and AWS configuration changes, visualizing activities performed in the AWS account and configuration items with the account.
- Used **Amazon S3** to back up **EBS** volumes periodically to save snapshots of data.
- Configured applications using **Jenkins Continuous Integration deployment** plan and Integrated Jenkins with **Git** Repository for Continuous Integration.
- Experience in making DevOps pipelines using **OpenShift** and **Kubernetes** for the **Microservices Architecture**.
- Created the **swagger** files to configure the definition objects of service endpoints and used **Log4j** for logging the application flow.
- Provided Technical support for **production environments** resolving the issues, analyzing the defects, providing, and implementing the solution defects.

**Environment:** Java, Spring, Spring boot, Microservices, REST Web Services, WebLogic, Eclipse, Log4j, PL/SQL, jQuery, Angular, NodeJS, JSON, XML, Amazon Web Services, CloudWatch, Kubernetes, swagger, Jenkins, Maven.

**Client:** Divami Design Labs

**December 2018 – November 2020**

**Role:** Java Developer

#### **Responsibilities:**

- Implemented the project in **Agile methodology** & participated actively in daily standup calls.
- Involve in all phases of the **Software Development Life Cycle (SDLC)** of the application like Requirement gathering, Design, Analysis and Code development.
- Used **HTML, CSS, XML**, and **JavaScript** for developing front-end web pages.
- Use **Case, Class, Sequence** diagrams and also in the complete **development, testing and maintenance** process of the application
- Created **Spring Restful Web services** consuming and producing JSON / XML.
- Designed and developed **MicroServices business components** using **Spring Boot**.

- Experience in using different modules like **Spring Core Module**, **Spring JDBC**, **Spring MVC**, **Spring AOP Module**, and **Spring ORM Module** in Spring Framework.
- Followed **Java & J2EE** design patterns and the coding guidelines to design and develop the application.
- Packaged and deployed the application in the **JBOSS** Application server in different environments like Development, testing etc.
- Used **HTTP Client** Module to send **HTTP Requests** (GET, PUT, POST, and DELETE) to the backend.
- Created **Stored Procedures**, **SQL Statements**, and **triggers** for the effective retrieval and storage of data in the database.
- Worked on **Amazon Web Services** such as **S3** (For front-end deployment and image storage) and **Elastic Beanstalk** (For server deployment).
- Worked on various **GITHUB** commands and successfully pushed the code into the local repository.
- Deployed web components, presentation components, and business components in **WebLogic Application Server**.

**Environment:** Java, J2EE, Spring Boot, XML, Rest APIs, SQL, HTML, CSS, JavaScript, JBoss, JSP, AWS, GITHUB, WebLogic Application Server.

**Client:** ApexPlus Technologies

**June 2015 – December 2018**

**Role:** Java Developer

**Responsibilities:**

- Implemented the project in **Agile methodology** & participated actively in daily standup calls.
- Responsible for system analysis, design, and development in **JEE** using **MVC-based** architecture.
- A responsive grid layout was designed for the User Interface using **HTML5**, **CSS3** and **XML**. **Bootstrap**, **HTML5** were used to implement a responsive design template to get a new interface.
- Develop user-defined tags using **XML**.
- Used **CSS** for describing the presentation of Web pages, including colors, layout, and fonts. Validations for the Client-Side were done using **JavaScript**.
- Experience in using different modules like **Spring Core Module**, **Spring JDBC**, **Spring MVC**, **Spring AOP Module**, **Spring ORM Module** in Spring Framework.
- Packaged and deployed the application in **JBOSS** Application server in different environments like Development, testing etc.
- Designed and created **MySQL** database tables to normalize the existing tables and created stored procedures to interact with databases.
- Used **JDBC** to interact with the **MySQL** database for storage and retrieval of information.
- Involved in all test cases using the framework **Junit** and fixed any bugs or issues identified during the testing period.

**Environment:** J2EE, MVC, Typescript, HTML5, XML, CSS3, Bootstrap, JavaScript, JBOSS, MySQL, Junit.

**Client:** NowFloats

**September 2014 – June 2015**

**Role:** Software Engineer

**Responsibilities:**

- Planned, designed, developed, programmed, deployed and tested the system.
- Created user-friendly GUI interface and Web pages using **HTML**, **CSS**, **jQuery** and **JavaScript**.
- Performed client-side validation using **JavaScript**.
- Actively involved in the project from the development of data access layer, with relational mapping tool to the development of presentation layer with **JSPs**.
- Designed Java classes using **Spring Framework** to implement the **Model View Control (MVC)** architecture.
- Extensively used **JSON** to parse the data from server side to satisfy the business requirement.
- Developed **REST architecture-based** web services to facilitate communication between client and servers.
- Wrote **SQL** queries, stored procedures, modifications to existing database structure for addition features Controller **Servlets**, Action, Form objects for process of interacting with **Oracle** database and retrieving dynamic data.
- Involved in the design of tables in **Oracle** to store the pay information.
- Used **JDBC** to interact with the **Oracle** database for storage and retrieval of information.
- Developed applications on **Windows**, **UNIX**, **Linux** and **Mac** platforms and deployed it on **Apache Tomcat server**.

**Environment:** JSP, HTML, CSS, jQuery, JavaScript, Spring, MVC, JSON, Tomcat server, Testing.