

Summary

An Experienced Full Stack Java Developer with 4 years of expertise in the **Software Development Life Cycle (SDLC)**, specializing in designing and deploying scalable enterprise applications using **Java/J2EE**, **Spring Boot**, and modern front-end frameworks like **Angular** and **React**. Proficient in developing **RESTful APIs**, building **microservices**, and managing databases with optimized **SQL queries**. Skilled in implementing **CI/CD pipelines** with **Jenkins**, ensuring seamless delivery of cloud-based solutions. Strong background in **Agile methodologies** and hands-on experience in delivering high-quality software within dynamic and collaborative environments.

Education

Master of Science in Computer Sciences

Aug 2023 - May 2025

University of North Texas, Denton TX

MTech in Integrated Software Engineering

Aug 2015 - Apr 2020

Vellore Institute of Technology, Vellore, India

Skills & Expertise

Languages: Java 8/11, J2EE, HTML, CSS, SQL, PL/SQL, Data Structures and Algorithms.

Frameworks: Spring, Spring Boot, Spring Security, Spring Cloud, Spring MVC, Rest API, Microservices, Spring Data JPA.

Database: Oracle SQL Developer, My SQL, MongoDB, Datomic DB, Cassandra.

Testing Frameworks: Mockito, JUnit 5, JMeter.

Application servers: Apache Tomcat, JBoss.

Version Control: GitHub, GitLab, Tortoise SVN

Messaging & Monitoring tools: Apache Kafka, JMS, Rest API, Log4j, SLF4j.

Tools: Spring Tool Suite (STS), Eclipse, VSCode, Postman, GitHub, GitLab, Tortoise SVN, Swagger, Rally, Jenkins, Oracle JDeveloper, IntelliJ, Tableau, PowerBI, Amazon S3, Cloudera, Hue, Winscp, Trello, Hadoop, Maven, AWS, Kibana.

Code Quality Tools: Polaris, Blackduck, SonarQube.

Methodologies & Tools: Agile, Waterfall, Rally, Jira, Trello

Certifications: Certified Scrum Master, AWS Developer Associate, Learn Java Programming(Udemy),

Presentation Essentials completion certificate.

Employment Experience

Oracle India Pvt Ltd, Bangalore, India

Mar 2023 - July 2023

Application Developer – 2

- Played a key role throughout the **Software Development Life Cycle (SDLC)** by managing requirements gathering, designing, testing, and documentation, while identifying and implementing enhancements to improve existing applications.
- Designed and optimized database services by managing **MongoDB/NoSQL collections** and establishing efficient object-to-database mappings for seamless data retrieval and manipulation.
- Developed a robust security module for applications by leveraging **Spring Security** and implementing **OAuth2 token-based authentication**, ensuring secure and efficient access control mechanisms.
- Proficient in Java development and integration within Oracle databases using Oracle SQL Developer and command-line tools.
- Successfully loaded and managed Java JAR files into Oracle Database, ensuring compatibility with Oracle JVM constraints.
- Expert in creating **PL/SQL Scripts** to expose Java methods as stored procedures and functions for seamless integration with SQL.
- Executed rigorous testing and validation of Java stored procedures in Oracle, confirming their stability and reliability.
- Orchestrated the initial load of Java JAR files into Oracle SQL Developer, streamlining the development process for database-backed Java applications.
- Led a migration project to modernize the application by upgrading **Angular components** and router modules from version 14 to 16, ensuring smooth functionality and seamless user experience.
- Successfully implemented **Agile Scrum methodologies** alongside **Test-Driven Development (TDD)** to ensure the efficient delivery of high-quality software applications while fostering collaboration within development teams.

Wabtec Corporation, a GE Transportation Company, Bangalore, India

Jun 2020 - Mar 2023

Software Engineer Specialist

- Collaborated with Business Analysts to gather user stories, analyze requirements, and create technical documents for process implementation.
- **Leveraged Core Java expertise** in multithreading, exception handling, and collections to build robust and efficient backend systems, optimizing software performance and reliability.

- Designed and developed various application features by creating **microservices** using **Java**, **Spring Boot**, and **PL/SQL scripts**. Built and maintained secure **RESTful APIs** with **Spring Boot**, enabling seamless communication between services and ensuring modularity, scalability, and maintainable solutions.
- Managed the development process by pushing code to **GitHub**, raising and reviewing **pull requests**, and collaborating with team members to ensure high-quality code delivery.
- Automated deployments by building and optimizing **CI/CD pipelines** using **Jenkins** and **Kubernetes**, reducing deployment times by 50% and ensuring consistent performance across environments.
- Ensured code quality and security by using tools like **SonarQube**, **Polaris**, and **Blackduck**, while writing comprehensive **JUnit** test cases to meet design requirements.
- Designed and implemented observability frameworks using tools like **ELK Stack**, **Kibana**, and **Datadog**, improving monitoring, logging, and tracing capabilities while presenting real-time visualizations.
- Leveraged **AWS services**, including **EC2**, **S3**, **DynamoDB**, and **RDS**, to optimize application performance and streamline cloud infrastructure management.
- Created transformation scripts and parsers using **Java libraries** like **JAXB** and **Jackson** for efficient XML and JSON processing, facilitating seamless data handling.
- Designed custom and reusable components for data display using **React**, **Redux**, and **ES6**, significantly improving front-end performance and scalability.
- Developed a responsive and user-friendly front-end interface using **AngularJS**, enhancing user experience and driving a 15% increase in user retention.
- Performed comprehensive unit and integration testing using **JUnit** and **Mockito**, automating backend API calls to enhance efficiency and reliability.
- Followed **Agile methodologies** as a **Scrum Master**, leading Scrum calls, executing Agile ceremonies, and coordinating with the Product Owner to overcome team impediments and ensure on-time delivery.

GE Transportation, Bangalore, India

Aug 2019 - Apr 2020

Engineering Intern

- Collaborated on **stories, and defect resolution** for a business-critical application, assessing interactions between multiple systems and implementing API/design changes to support **new feature development**.
- Conducted unit testing using **JUnit and Mockito**, achieving over 90% code coverage, and actively participated in internal and external code reviews to ensure high-quality deliverables.
- Automated **Load Test Data** Preparation for locomotive maintenance using **JMeter**, replacing manual processes with efficient automation. Optimized data preparation workflows to significantly reduce processing time and improve readiness for load testing.

Projects

Rain Prediction using classification | University of North Texas, Denton

Aug 2023 – May 2025

- This project aims to leverage big data and machine learning techniques to analyse large datasets of Rain forecasting.
- We are predicting the tomorrow's rainfall, and the motivation is to mainly try with Decision tree algorithm to improve the accuracy of the results. Also using Hadoop MapReduce or Apache Spark to find variations and patterns in weather conditions.

Leadership

- Led a team at Wabtec Corporation, offering mentorship and support to new employees, and collaboratively executed a project alongside them.
- Being a Scrum Master, driven all scrum related calls within the team and given demos across all the teams at the end of each Sprint.
- Treasurer and Team Lead at Leo Club NGO, part of teaching students in government schools in Vellore premises.
- Manager of Riviera Guest Care, the Cultural Fest in VIT University, Vellore.