

Meghana Mareedu

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SUMMARY

- Java Full Stack Developer with 3 years of experience developing enterprise-grade applications using Core Java, Spring Boot, Microservices, and Cloud technologies in Agile environments.
- Proficient in Spring Framework (Spring Boot, MVC) and Hibernate ORM for backend development and integration.
- Experienced in database-driven development using MySQL, Oracle, and PostgreSQL, with hands-on SQL query writing and optimization.
- Skilled in designing and maintaining microservices-based applications, integrating APIs, and deploying services on cloud platforms such as AWS.
- Experienced in Agile/Scrum environments with strong collaboration and communication skills across full-stack teams.
- Strong analytical and problem-solving skills with experience debugging and optimizing both backend and UI components.
- Additional expertise in Pega for case management, workflow automation, and decisioning solutions.

TECHNICAL SKILLS

- **Languages:** Java, JavaScript, SQL, HTML5, CSS3, Python
- **Frameworks:** Spring Boot, Spring MVC, Hibernate/JPA, ReactJS/Angular
- **Databases:** MySQL, PostgreSQL, Oracle
- **SDLC Practices:** Design, Development, Testing, Debugging, Deployment
- **Web Services:** RESTful APIs, JSON
- **Cloud and DevOps:** AWS (EC2, Lambda, S3), Docker, Jenkins, Maven, Git, CI/CD pipelines
- **Testing Tools:** JUnit, Mockito, Postman
- **Methodologies:** Agile/Scrum, SDLC, Microservices Architecture
- **Additional Knowledge:** Pega BPM (CSA, CSSA, CDH)

PROFESSIONAL EXPERIENCE

Fannie Mae – Plano, TX
Software Engineer – Java Full Stack

July 2025 - Present

Project: Loan & Mortgage Management System

Aim: To streamline loan applications, approvals, and compliance reporting for mortgage servicing teams.

- Developed and enhanced RESTful APIs and microservices using Java 11, Spring Boot, and Angular, following Service-Oriented Architecture (SOA) principles for scalable distributed systems.
- Integrated relational databases (PostgreSQL, MySQL) for high-volume transactions and reporting.
- Participated in all SDLC phases including design, coding, debugging, and deployed services to AWS using CI/CD pipelines.
- Debugged and optimized distributed microservices, improving reliability by 20%, and documented APIs using OpenAPISwagger.
- Design and optimize PostgreSQL queries and stored procedures to process high-volume financial data securely and efficiently.
- Collaborated with cross-functional global teams in Agile (Scrum/Kanban) to deliver high-quality, test-driven code.
- Implemented microservices using Spring Boot and Docker on AWS (EC2, Lambda) for scalable, cloud-native deployment.
- Automated CI/CD pipelines using Jenkins and Maven, improving deployment efficiency across cloud environments.
- Collaborate in Agile/Scrum teams, contributing to sprint planning, daily standups, code reviews, and backlog refinement.
- Write and execute unit and integration tests with JUnit, Mockito, and Postman to maintain software quality and compliance accuracy.

Environment: Java, Spring Boot, Angular, PostgreSQL, REST APIs, Docker, Jenkins, AWS EC2/S3, JUnit, Mockito, Postman, Agile

Eli Lilly – Indianapolis, IN
Software Developer Intern – Java Full Stack

February 2025 – May 2025

- Contributed to building RESTful web applications using Java, Spring Boot, and Angular, following SOA and microservices architecture.
- Engineered SQL queries and procedures in PostgreSQL to support reporting and optimized database access using JDBC for

improved performance.

- Developed and debugged microservices using Java, Spring Boot, and Maven, ensuring API compliance and performance optimization.
- Worked with senior developers to design, test, and deploy REST APIs using Jenkins CI/CD pipelines and Dockerized containers for deployment to AWS cloud environments.
- Collaborated in Agile teams to deliver high-quality full stack features across UI and backend.
- Documented RESTful API endpoints using OpenAPI and ensured versioning consistency across microservices.
- Implemented unit and integration testing with JUnit, Mockito, and Postman, ensuring code quality and reducing defects.

Environment: Java, Spring Boot, Angular, PostgreSQL, REST APIs, JUnit, Mockito, Postman, Agile

Virtusa Consulting Services Pvt. Ltd. – India

May 2022 – July 2023

Associate Software Engineer – Java Full Stack Developer

- Developed and deployed enterprise applications using Java, Spring Boot, Angular, and REST APIs, improving application performance by 25%.
- Designed and implemented microservices architecture to enhance scalability and modularization of business functions using Docker and Spring Boot, deployed to AWS.
- Optimized data persistence with Hibernate/JPA and wrote efficient SQL queries for MySQL and PostgreSQL.
- Designed and maintained Java-based web applications using Spring Boot and Spring MVC, participating in all phases of SDLC.
- Deployed and optimized web applications on AWS (EC2, S3, CloudFront) using CI/CD pipelines (Jenkins, Docker) for enhanced performance.
- Conducted unit and integration testing using JUnit and Mockito, ensuring code reliability and adherence to standards.
- Collaborated with cross-functional teams in debugging and resolving technical issues, improving application stability.
- Collaborated in Agile/Scrum teams, contributing to sprint planning, backlog refinement, and peer code reviews.
- Delivered a Hospitality Management System with ReactJS + Spring Boot, integrating REST APIs and developing responsive UI features supporting multiple viewports.
- Worked with Pega BPM modules to implement workflow automation and decisioning, complementing Java-based development.

Environment: Java, Spring Boot, Angular, Hibernate/JPA, REST APIs, MySQL, PostgreSQL, AWS EC2/S3, Docker, Jenkins, JUnit, Mockito, Postman, Agile, Pega BPM

Virtusa Consulting Services Pvt. Ltd. – India

August 2021 – April 2022

Intern – Java Developer Intern

- Developed and maintained backend services using Java, Spring Boot, and Hibernate/JPA, ensuring efficient database interactions with MySQL.
- Built and tested RESTful APIs for ride creation, booking, and authentication, enabling secure communication between client and server.
- Developed responsive Angular components with HTML5, CSS3, and JavaScript, improving user experience.
- Designed and optimized MySQL database schema, writing queries and stored procedures for ride-sharing workflows.
- Implemented unit and integration test cases with JUnit, Mockito, and Postman, improving release quality.
- Assisted in debugging and performance tuning of Java microservices to ensure smooth integration and faster response times.
- Collaborated in Agile/Scrum teams, participating in sprint planning, stand-ups, and code reviews.
- Delivered a Carpooling Application project, integrating APIs, Angular UI modules, and schema design for seamless ride booking.

Environment: Java, Spring Boot, Angular, Hibernate/JPA, REST APIs, MySQL, HTML5, CSS3, JavaScript, JUnit, Mockito, Postman, Agile

CERTIFICATIONS

- Oracle Certified Java Programmer
- AWS Certified Developer - Associate
- Oracle SQL Certification
- PEGA(CSA, CSSA, CDH)

Education

Lewis University, MS in Computer Science
KL University, Bachelors in Computer Science

August 2023 – May 2025
June 2018 – April 2022