Sai Krishna Uppuluri

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PROFESSIONAL SUMMARY

Dynamic and detail-oriented Java Developer with over 5 years of experience in building robust and scalable enterprise applications using Java, Spring Boot, and a wide variety of backend technologies. Adept at integrating complex backend systems with modern UI frameworks like Angular, leveraging cloud services and CI/CD practices to streamline deployments. Strong foundation in Core Java, J2EE, JDBC, Hibernate, and JPA with proven success in designing and optimizing relational databases including MySQL, PostgreSQL, Oracle, and SQL Server. Demonstrated experience in Test-Driven Development (TDD), Behavior-Driven Development (BDD), and testing frameworks like Cucumber and TestNG to ensure software quality. Experienced in Agile methodologies, project tracking using JIRA, and automated build pipelines with Jenkins. Passionate about continuous learning and delivering high-impact software solutions that meet business needs. Skilled in collaborating across cross- functional teams, enhancing legacy codebases, and deploying applications to the cloud using Docker and AWS. Recognized for consistently improving performance and scalability through clean architecture and strategic engineering.

EDUCATION

Webster University, Saint Louis, USA
Master's in Information Technology and Management

SKILLS & TECHNOLOGIES

Languages: Java (Core Java, J2EE, OOP), SQL

Frameworks: Spring Boot, Spring MVC, JDBC, Hibernate, JPA, Maven, Gradle

Databases: PostgreSQL, MySQL, Oracle, SQL Server, Prisma

Testing & Automation: TestNG, JUnit, Cucumber, TDD, BDD

Tools & CI/CD: Jenkins, Git, GitHub, CI/CD pipelines

Project Management: Agile, Scrum, JIRA, Project Tracking

Cloud & DevOps: Docker, AWS EC2, S3, Lambda, RDS

Authentication: JWT, OAuth2

ORMs: Hibernate, JPA, Prisma

WORK EXPERIENCE

Senior Java Developer
Bajaj Finance   *Aug 2021 – Jun 2023*

- Designed and developed enterprise Java applications with Spring Boot, enhancing backend performance and maintainability for finance operations.

- Integrated REST APIs with Angular frontend and Java backend, increasing system interactivity and user engagement by 40%.

- Collaborated with Agile teams using JIRA, participating in 100+ sprint reviews, backlog grooming, and retrospectives to ensure timely delivery.

- Implemented CI/CD pipelines with Jenkins and Docker to automate deployments, reducing release errors by 35%.

- Led unit and integration testing using TestNG and Cucumber, ensuring 95% test coverage and improving QA reliability.

- Managed PostgreSQL and Oracle databases with complex schema designs, boosting transaction efficiency for over 1M records.

- Developed JWT-based authentication layers to secure microservices and protect user data across distributed systems.

- Deployed applications on AWS EC2 and Lambda, streamlining scalability and reducing infrastructure costs.

- Ensured no backlogs of sprint tickets by showcasing strong cross-functional code collaboration, attention to detail, problem-solving and Troubleshooting skills

- Contributed to code quality improvement initiatives, applying best practices from TDD and BDD methodologies.

Java Developer

Snapdeal   *Aug 2019 – Jul 2021*

- Delivered scalable e-commerce solutions using Java, Spring Boot, and Hibernate across multiple microservices and backend APIs.

- Participated in Agile software development lifecycle, using JIRA to manage epics, sprints, and user stories effectively.

- Created complex SQL queries and managed PostgreSQL databases, improving reporting and data handling for large datasets.

- Integrated Jenkins into the build process to achieve CI/CD automation and reduce deployment time by 50%.

- Designed REST APIs and implemented secure access via JWT, enabling cross-application communication with seamless identity management.

- Built data ingestion and transformation modules using JPA, JDBC, and Hibernate for ETL processes.

- Conducted code reviews, reducing bugs and technical debt through collaborative improvement sessions.

- Worked closely with frontend teams to ensure seamless API consumption and optimize user workflows.

- Ensured no backlogs of sprint tickets by showcasing strong cross-functional code collaboration, attention to detail, problem-solving and Troubleshooting skills

- Mentored new developers on Java best practices and project standards, improving team onboarding efficiency by 25%.

Associate Java Developer

Snapdeal   *Aug 2018 – Jul 2019*

- Supported Java backend services, contributing to the development of Spring MVC modules for transaction processing and order fulfillment.

- Configured Maven and Gradle build tools for consistent and reliable compilation and packaging of Java applications.

- Implemented database normalization and indexing strategies in MySQL and PostgreSQL, reducing query latency by 30%.

- Collaborated with QA engineers to perform integration and regression testing using TestNG and BDD practices.

- Designed and consumed RESTful APIs for communication between internal services and external vendors.

- Adopted Agile methodologies and participated in sprint planning, task estimation, and daily stand- ups.

- Used Git and GitHub for version control, managing codebase consistency across development and staging environments.

- Contributed to JWT and OAuth2 implementations for secure authentication in payment processing modules.

- Created Docker-based environments for consistent development and deployment across different operating systems.

- Ensured no backlogs of sprint tickets by showcasing strong cross-functional code collaboration, attention to detail, problem-solving and Troubleshooting skills

CERTIFICATIONS

AWS Certified Data Engineer – Associate
Java Programming and Development Certification – Coursera

PROJECTS

Secure Banking Transaction Platform
Built a Java Spring Boot backend for managing secure fund transfers with integrated JWT-based authentication and role access control.
Designed PostgreSQL schemas and implemented JPA/Hibernate for transaction storage and audit trail management.
Developed REST APIs for banking operations, improving data retrieval and latency by 25%.
Deployed microservices on AWS Lambda and automated builds with Jenkins and Maven.

Employee Records and Performance System
Developed backend modules in Java and Spring Boot to manage employee KPIs, feedback, and payroll data.
Integrated MySQL database and optimized schema design to support 10,000+ employee records.
Applied BDD using Cucumber and TestNG to validate user scenarios across admin and employee interfaces.
Implemented OAuth2 for access control and deployed CI/CD pipelines through Jenkins and Docker for faster release.