

# Sai Krishna Uppuluri

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## PROFESSIONAL SUMMARY

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Dynamic and detail-oriented Full Stack Angular + Java Developer with over 5 years of hands-on experience designing and developing high-performing web applications. Skilled in building scalable Angular frontends and robust Java-based backends, integrating complex RESTful services, and deploying full-stack applications across AWS environments. Proficient in Spring Boot, JWT authentication, GraphQL, and Agile methodologies. Demonstrated success in implementing end-to-end CI/CD pipelines using Jenkins and Docker, and deploying services on AWS Lambda, S3, and RDS. Adept at database modeling using MongoDB and PostgreSQL with deep familiarity in Prisma and ORMs. Collaborative and results-driven, with a strong emphasis on code quality, application security, and cloud-native deployments. Recognized for driving product innovation, optimizing system performance, and delivering high-value features with measurable impact on customer satisfaction and engineering velocity.

## EDUCATION

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

## SKILLS & TECHNOLOGIES

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**Languages:** Java, TypeScript, JavaScript, SQL, HTML5, CSS3

**Frontend:** Angular, ES6+, HTML/CSS, Bootstrap

**Backend & APIs:** Java, Spring Boot, Microservices, REST APIs, JWT, Maven, Gradle, GraphQL

**Database:** PostgreSQL, MongoDB, Prisma, Mongoose

**Cloud & DevOps:** AWS Lambda, AWS S3, AWS RDS, Docker, Jenkins, CI/CD Pipelines

**Testing:** Unit Testing, Integration Testing, Automated Testing

**Project Management:** Agile, JIRA, Confluence, Project Tracking Tools

## WORK EXPERIENCE

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### Senior Engineer

*Bajaj Finance*

*Aug 2021 – Jun 2023*

- Led the Full Stack development of scalable Angular frontends and Spring Boot backends for three core financial applications deployed in AWS cloud.
- Implemented JWT-based user authentication and authorization layers, ensuring secure access to microservices and sensitive data.
- Integrated PostgreSQL and MongoDB with backend microservices, managing both transactional and NoSQL data flows.
- Developed and deployed Lambda functions to automate AWS services and trigger backend processes based on system events.
- Created Docker images for microservices and configured Jenkins CI/CD pipelines, reducing build and release cycles by 45%.
- Designed GraphQL queries to simplify data access across frontend and backend services, boosting data retrieval performance.
- Containerized services using Docker and deployed to ECS clusters with load balancing and horizontal scaling.
- Mentored 3 junior developers and introduced coding standards and peer review processes improving code quality by 60%.
- Ensured no backlogs of sprint tickets by showcasing strong cross-functional code collaboration, attention to detail, problem-solving and Troubleshooting skills
- Collaborated in Agile sprints, conducted sprint demos and retrospectives to track performance and team output.

### Associate Engineer

*Snapdeal*

*Aug 2019 – Jul 2021*

- Developed full-stack e-commerce features using Angular on the frontend and Java Spring Boot on the backend.
- Utilized PostgreSQL and MongoDB to handle customer, product, and transactional data with complex joins and queries.

- Applied JWT for securing APIs and managing session authentication across services.
- Automated deployment workflows using Jenkins and Docker for repeatable infrastructure setup and rollback mechanisms.
- Optimized Angular component reusability and reduced DOM rendering time by 30% through code refactoring.
- Configured AWS Lambda triggers for real-time processing of user activities and updating order status.
- Designed GraphQL endpoints to improve mobile client data consumption performance and minimize payload size.
- Managed application logs using AWS CloudWatch and improved monitoring and alerting for service downtimes.
- Ensured no backlogs of sprint tickets by showcasing strong cross-functional code collaboration, attention to detail, problem-solving and Troubleshooting skills
- Participated in Scrum ceremonies and improved estimation accuracy through planning poker and sprint retrospectives.

### **Associate Engineer**

*Snapdeal*

*Aug 2018 – Jul 2019*

- Built Angular-based front-end admin dashboards to manage product inventory, sales reports, and order status in real-time.
- Developed RESTful services using Spring Boot for inventory management and integrated them with MongoDB backends.
- Migrated existing MySQL schemas to PostgreSQL and Prisma ORM for better query performance and data consistency.
- Created CI/CD pipelines in Jenkins to automate builds and tests, ensuring consistent and error-free deployments.
- Used Docker to create consistent development environments across teams, improving onboarding efficiency.
- Implemented form validations, modals, and dynamic tables in Angular to enhance usability and data integrity.
- Worked on bug resolution and regression testing alongside QA to maintain 95% bug-free releases.
- Conducted code reviews and contributed to internal documentation for onboarding and future maintenance.
- Ensured no backlogs of sprint tickets by showcasing strong cross-functional code collaboration, attention to detail, problem-solving and Troubleshooting skills
- Engaged in daily stand-ups and task grooming sessions, improving transparency and accountability within the team.

## **CERTIFICATIONS**

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Full Stack Web Development Certification – NxtWave Academy

## **PROJECTS**

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### **Cloud Inventory Management System**

Developed an Angular + Java-based inventory management system handling 1M+ records with real-time updates and complex search filters. – Integrated GraphQL APIs for selective data fetching, reducing API response payloads by 35%. – Deployed backend services on AWS Lambda and databases on AWS RDS and MongoDB. – Used Docker and Jenkins for CI/CD setup, enabling production deployment within minutes.

### **Secure Loan Processing Portal**

Designed a secure loan processing platform using Angular, Spring Boot, and PostgreSQL, deployed over AWS cloud infrastructure. – Incorporated JWT-based multi-role access and OAuth2 for federated login. – Automated backend logic via AWS Lambda and monitored services using CloudWatch for proactive maintenance. – Leveraged GraphQL to optimize frontend rendering speed, improving user engagement by 25%.