

Sai Krishna Vuppala

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SUMMARY

Full Stack Developer Over 4.5 years of experience in **Java, Spring Boot, Hibernate, and backend development**. Experienced in designing scalable, high-performance applications, improving system efficiency, and implementing secure solutions. I am proficient in **microservices architecture, RESTful APIs, and cloud platforms (AWS, Azure, GCP)**. Hands-on expertise in **DevOps tools, including CI/CD pipelines, Docker, and Kubernetes**. Worked extensively in **Agile environments**, collaborating with cross-functional teams to deliver robust software solutions.

WORK EXPERIENCE

Full Stack Developer

JP Morgan Chase | New York, NY, USA | Oct 2023 – Mar 2025

- Enhanced transaction processing in banking applications using **Java, Spring Boot, Hibernate**, enhancing efficiency by 25% and improving database access speed by 20%.
- Created and implemented **RESTful APIs** using **Java & React.js**, reducing data retrieval time by 30%.
- Strengthened security by integrating **OAuth 2.0 & JWT authentication**, reducing security risks by 35%.
- Refactored a monolithic application into a **microservices architecture** using **Docker & Kubernetes**, achieving 40% scalability improvements.
- Automated **CI/CD pipelines** using Jenkins & GitLab, cutting deployment times by 50% and reducing manual errors.
- Conducted comprehensive code reviews and enforced best practices, lowering defect rates by 15%.
- Collaborated with **cross-functional teams** and applied **Agile methodologies (Scrum, Kanban)** to accelerate feature delivery.

Junior Java Full Stack Developer

Version 1 | Bangalore, IN | Jan 2020 – Dec 2022

- Engineered **Proof of Concept (POC)** using **Java, Spring Boot, MVC, AOP, and AWS**, securing client approval for enhanced database interactions.
- Rebuild Stellantis' retired staff login system using **Java, Struts, AJAX, and Spring Security**, reducing unauthorized discount claims by 60%.
- Optimized a dealer web platform by implementing 10+ performance enhancements using Java, JSP, Hibernate, AJAX, and Spring IOC, increasing operational efficiency by 25%.
- Resolved 15+ tickets per week in an **Agile team**, addressing performance bottlenecks and improving software stability.
- Designed and deployed a critical batch processing module integrating **Spring Batch, Angular.js, REST APIs**, streamlining backend data processing.

EDUCATION

Master of Science Computer Sciences

University of Alabama

Apr 2024

Birmingham, USA

Bachelors in Computer Science Engineering

Kamala Institute of Technology and Science

Jun 2022

India

SKILLS

Programming Languages: Java (Core Java, Java 8+), JavaScript, SQL, Node.js

J2EE Technologies: Servlets, JSP, JDBC, SAX

Frameworks & Technologies: Spring Boot, Spring MVC, Spring Security, Hibernate, Struts, RESTful APIs, Microservices, Maven, Gradle, React.js, Angular.js

Web Technologies: HTML/HTML5, CSS3, CSS, XML, JavaScript, AJAX, jQuery, JSON

Database Management: PostgreSQL, MySQL, MS SQL Server

Cloud & DevOps: AWS (EC2, S3), Google Cloud Platform (GCP), Docker, Kubernetes, Jenkins, GitLab CI/CD

Testing & Debugging: JUnit, Mockito, Postman, IntelliJ IDEA

Development Tools: Visual Studio Code, IntelliJ, Eclipse, Spring Tool Suite

Version Control & Agile: Git, GitHub, Bitbucket, Scrum, Kanban, CI/CD

PROJECTS

Job Application Management System

- Developed a full-stack job application management system using Java, Spring Boot, Thymeleaf, jQuery, CSS, and Bootstrap.
- Implemented secure user authentication, reducing unauthorized access by 95% using Spring Security.
- Designed RESTful APIs with GraphQL integration, enhancing system flexibility and responsiveness.
- Integrated Apache Kafka for real-time job application status notifications and built a responsive, user-friendly UI using Thymeleaf and Bootstrap, enhancing instant updates, usability, and accessibility.

Cloud-Enabled File Sharing Tool Implementation

- Developed a cloud-based file-sharing solution using AWS S3, Lambda, SES, and DynamoDB to ensure secure storage, serverless processing, and efficient data management.
- Designed a user-friendly interface with capabilities for file upload tracking, automated file deletion, and advanced encryption for data privacy and compliance.
- Optimized scalability and performance using CloudFormation (IaC) for deployment and AWS CloudWatch for resource monitoring.