

KAVYA SRI LALITHA JAVVAJI

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Summary

Experienced Software Engineer with 6+ years of expertise in Java, Spring Boot, Microservices, REST API development, PostgreSQL, Redis, Docker, Kubernetes/EKS, and AWS. Strong background in system design, scalability, distributed systems, CI/CD, and cloud-native architecture. Proven track record modernizing legacy systems, optimizing performance, and leading delivery as Execution Lead and Scrum Master. Hands-on collaboration with UX and frontend teams, with secondary experience in React and GWT.

Experience

Senior Software Engineer **09/2020 to Current**
Cisco Systems India **Bangalore**

- **Architected and led migration** of a legacy monolithic system to a **containerized microservices architecture** (Spring Boot, Docker, Kubernetes), reducing deployment time by **87%** and scaling capacity to **3x traffic**.
- **Designed and implemented event-driven services** using **Apache Kafka and gRPC**, achieving **65% lower latency** and enabling real-time data processing.
- Led backend **design and development of RESTful microservices** for Cisco Firewall management (Java, Spring Boot) with scalable API contracts and robust validation.
- Improved performance by **optimizing PostgreSQL schemas** and **Redis caching**, reducing page response times by **~30%**.
- Developed high-performance Java REST APIs and integrated them with responsive frontend components (React/GWT) to enhance overall system efficiency and user experience.
- Built and maintained **CI/CD pipelines** using Jenkins, Docker, Kubernetes, increasing release reliability and automating end-to-end deployments.
- Served as **Execution Lead**, collaborating with Product Owners, Senior Architects, QA and Release teams; owned estimation, backlog grooming, sprint commitments, and multi-release delivery.
- Acted as **Scrum Master**, leading sprint planning, daily stand-ups, retrospectives, and blocker removal; tracked velocity and burndown to improve delivery predictability.
- **Mentored junior engineers** and conducted extensive code reviews, driving clean coding practices and cross-team technical excellence.
- Implemented reusable and performant UI components using ReactJS and GWT, ensuring consistent user experience across the application.
- Partnered with UX/design/product teams to translate requirements into production-ready UIs and created architectural POCs for validation.
- Provided **on-call support**, troubleshooting critical production incidents and improving service reliability and uptime.
- Hands-on experience troubleshooting **firewall configurations** with strong knowledge of networking (routing, switching).

Internship **05/2019 to 06/2020**
Cisco Systems India **Bangalore**

- Contributed to 'Cloud Assist FMC', a cloud integration initiative aimed at exposing Cisco Firewall Manager REST APIs to cloud-based platforms.
- Collaborated with the team to design and implement RESTful endpoints, including first level input validation, and error handling.
- Acquired in-depth knowledge of the product architecture, codebase, and underlying frameworks to deliver maintainable, scalable solutions.

Skills

Programming & Frameworks: Java EE, Spring Boot, Microservices, REST APIs
Databases: MySQL, PostgreSQL, MongoDB, Redis
Cloud & DevOps: AWS (EC2, S3, RDS, IAM), Docker, Kubernetes/EKS
CI/CD & Tools: Jenkins, GitHub Actions, Git, Perforce

System Design & Architecture: Distributed Systems, Scalability, Design Patterns
Front-End (Secondary Exposure): JavaScript, React.js, GWT
Networking: TCP/IP, Routing/Switching, Firewall Policies, Subnetting, VLANs, NAT, ACLs, DNS, DHCP, VPNs

Certifications

- AWS Certified Developer – Associate from AWS

Education

Bachelor of Technology: Information Technology

SRKR Engineering College, Andhra University
Percentage: 9.02

2020

Andhra Pradesh, India

Accomplishments

- CISCO UI Hackathon Award 2025
- Received Benefit Everyone, Innovate Everywhere awards
- Received numerous recognitions from Senior Leaders & Managers on top level performance
- Runners-up in Smart India Hackathon 2019.
- Best Performer in Spardha 2018, a cross departmental Hackathon.
- Ranked 76 in Code Master 2018 out of 1800+ participants.
- IOT using AI (Best Performer), Computer Society of India, IT Student chapter, 2018.

Website & Portfolio

Github: <https://jkavyasri.github.io/>

Linkedin: <https://www.linkedin.com/in/kavyasri-javvaji/>

Leetcode: <https://leetcode.com/u/javvajikavyasri/>

GeeksforGeeks: <https://www.geeksforgeeks.org/user/kavyasrilalitha/>