Lalith Kumar Rajendran

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Education

Florida State University, Tallahassee **Expected Graduation Date: December 2024**
Master's in Information Technology *GPA: 3.97/4.0*

Technical Skills

Languages: Java, JavaScript
Frameworks: Spring Boot, Spring Batch, React JS
Databases & Connectivity: SQL, Oracle, JDBC, JPA,
DevOps/Cloud Infra: Git, Jenkins, Docker, Helm, ArgoCD, Kubernetes, EC2, VPC, S3, EKS, Load Balancer, ECR
Web Technologies/Security: RESTful Web Services, JSON, Microservices, JWT, Spring Security
Tools/Methodology: Junit, JMeter, Mockito, Jenkins, Kafka, VS Code, Postman, New Relic, Jira, Agile, Kanban

Experience

Rivian, Palo Alto, California : Software Engineer - Intern **May 2024 – August 2024**

- **Scalable Observability:** Enhanced system visibility across **Rivian's software** stack by 80% using Prometheus, Grafana, Tempo, and Loki for capturing and visualizing metrics, logs, and traces.
- **Observability Integration:** Instrumented a Spring Boot app with the observability stack to export traces, metrics, and logs to Grafana, enhancing **system insights** for developers during the development phase by 80%.
- **Automated Deployment:** Automated dashboard deployment using Git, Argo CD, Python scripts, and Kubernetes Grafana CRDs which reduces the DevOps team overhead by 70%.
- **Documentation:** Authored technical documentation for automation setup to boosting developer efficiency by 40%.

Cognizant/Client: 7-Eleven : Full Stack Software Developer **June 2019 – December 2022**

- **Microservices Migration:** Partnered with peers to design and migrate 7-Eleven's core legacy order processing systems to a scalable distributed **Spring MVC microservices architecture**, reducing server load by 35%.
- **API Scalability:** Created REST APIs to **integrate data** from upstream systems with secure authentication, documented using Swagger for seamless integration by cross-functional teams, leading to a 40% boost in scalability.
- **Improved Performance and Latency:** Optimized **algorithms** with **Java functional programming** and multithreading to improve processing efficiency by 50%, ensuring faster and reliable order processing to meet SLAs.
- **Database Optimization - Oracle:** Applied **SQL** Database query optimization, **indexing**, and **stored procedures** to enhance order processing and reduce query response time for millions of daily order & sales transactions by 40%.
- **Testing:** Increased sonar scan code coverage by 90% and **reduced production bugs** by 50% through comprehensive unit and integration testing using JUnit and Mockito.
- **Code Review & Leadership:** Led bi-weekly code reviews with technical lead, reducing refactoring time by 30% and accelerating project delivery.
- **Agile Practices:** Engaged in **Scrum** calls, backlog grooming sessions for project alignment & requirement analysis to streamline software development process and reduce task overflow by 80%.

Academic & Self-Learning Projects

System Design & Implementation : TweetApp - Full Stack **GitHub Link**

- Designed and implemented a Full Stack Tweet Application using microservices architecture and cloud services, developing backend logic for posting real-time tweets as part of deepening the understanding of distributed systems architecture. **Tools and Technologies**: Angular, Microservices, Load Balancer, API Gateway, Spring Boot, Docker, SQL.

Cloud Native CI/CD Pipeline - GitHub Link

- Developed an end-to-end CI/CD pipeline with continuous deployment and integration, gaining deeper insights into DevOps practices and continuous delivery workflows. **Tools**: Git, Jenkins, SonarQube, Docker, Maven, Kubernetes.

Java Backend: Payment and Fraud Detection System Platform

- Engineered a secure payment gateway with advanced fraud detection mechanisms, ensuring reliable transactions through real-time data streaming, processing, and storage. **Technologies**: Java, REST, Kafka.

Certifications

• Oracle Java Developer • AWS Associate Developer • IIHT Full Stack Web Application Developer