LALITH KUMAR RAJENDRAN

San Jose, California, USA

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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, MongoDb, 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**

* Led the development of a scalable **observability stack**, to enhance Rivian's software system visibility by 80% through capturing and visualizing the application metrics and traces.
* Instrumented 10+ Backend Applications to export traces and metrics to Grafana, which improved visibility by 80%.
* Automated dashboard deployment through **GitOps** using **Argo CD** to reduce DevOps team overhead by 70%.
* Led creating **Helm Chart** for deploying the observability stack, reducing setup time for development team by 60%.

Cognizant / Client: 7-Eleven : Associate Software Developer   **July 2020 – December 2022**

* Played a crucial role in the design and transition of 7-Eleven's core legacy system to a scalable and reliable **Spring Boot microservices architecture**.
* Co-ordinated in developing 30+ microservices from scratch and designed **REST Api's** for a complex cross functional integrations, ensuring high data integrity and stateless scalability.
* Designed and optimized **database schema** for the ItemMaster project at 7-Eleven, implementing **indexing** and **data relationships** to ensure data integrity and high query performance across distributed systems.
* Configured **Kafka** producers to publish the Sales event to improve real-time analytics for better financial decisions.

Cognizant / Client: 7-Eleven : Full Stack Software Developer   **June 2019 – July 2020**

* Enhanced processing efficiency by 50% through **algorithm optimization**, leveraging **Java** functional programming and streams, ensuring parallel faster order processing across all US Time Zones.
* Reduced **production bugs** by 50% through unit and integration testing with JUnit, Mockito, and TDD.
* Engaged in triage calls post-go-live to **troubleshoot** production issues, reducing incident resolution time by 80%.
* Engaged in **Agile/Scrum**, story grooming, optimizing the SDLC and improving development processes by 80%.

Current & Latest Projects

System Design & Implementation : TweetApp - Full Stack GitHub Link

* Designed and implemented 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.
* **Tools and Technologies**: Angular, Microservices, AWS Infrastructure, Spring Boot, Docker, PostgreSQL.

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**