

LALITH KUMAR RAJENDRAN

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Certifications: • [Oracle Java Certified](#) • [AWS Developer Associate](#) • [IIHT Full Stack Web Application Developer](#)

Experience

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

- Analyzed existing code and refined the **Spring Boot** services to create and push vehicle order state transition events to **AWS SQS**.
- Led event-driven workflow using **AWS (Lambda, SNS Topics, SES)** to improve reliability in notifying customers (Email and SMS) by 90% even during peak load times.
- Automated Grafana dashboard deployment through **GitOps** and ArgoCD to reduce DevOps team overhead by 90%.

7-Eleven - Associate Software Engineer (Cognizant) - Irving, Texas: **June 2020 – December 2022**

- Developed distributed microservices Backend **Java Spring Boot** to modernize the legacy system of the largest US retail store.
- Authored efficient **Algorithms** and leveraging **OOPS Design patterns** to handle millions of requests, achieving 100% SLA compliance.
- Mastered **multithreading**, exception handling, **circuit breaker** to improve performance and reliability across core merchandise services, ensuring fault tolerance and achieving 99.99% availability.
- Developed complex **Oracle queries**, implemented **DB Indexing** on Order and Sales tables to improve query performance by 60%.

7-Eleven - Software Engineer (Cognizant) – Irving, Texas: **June 2019 – July 2020**

- Initiated 50+ **REST APIs** as part of the core functionality, tested and integrated with the cross functional systems, ensuring 100% data consistency.
- Shared responsibility for **Dockerizing** applications and maintaining **Kubernetes manifests** to deploy 20+ services using **Jenkins CI**.
- Applied **Test-Driven Development** with **JUnit** and **Mockito** testing frameworks, achieving 100% code coverage in Sonar Scan.
- Resolved **150+** production bugs through **root cause analysis, debugging** which improved performance & systems stability.

Education

2023 – 2024 - Master of Science in Information technology in Florida State University at Florida **GPA: 3.96 / 4**

2015 – 2019 - Bachelor of Engineering in Electronics in Anna University **GPA: 3.5 / 4**

Relevant Coursework: Web Application Development, **Object Oriented Programming, Data Structures and Algorithms**, Advance Web Application Development, Usability Analysis (UX/UI), Programming in Java

Technical Skills

Languages/Databases: Java, TypeScript, C#, SQL, Oracle

Frameworks: Spring Boot, Spring Security, Spring Batch, Hibernate, AngularJS

Web Development: RESTful WebServices, Microservices, JDBC, JPA, JSON

Tools: Junit, JMeter, Mockito, Kafka, VS Code, Postman, ServiceNow, Jira, Confluence

DevOps/Cloud: Git, Prometheus, Jenkins CI, ArgoCD, Docker, Helm, Kubernetes, EC2, VPC, S3, EKS, Load Balancer

Current & Latest Projects

Twitter Clone: [[Angular JS](#), [Spring MVC](#), [Kafka](#), [Docker](#), [Kubernetes](#), [PostgreSQL](#)] - [GitHub](#)

- Collaborated with the team in developing a Twitter application with a reactive user interface and microservices.
- Developed the functionalities like sign up, login, post and like tweets, asynchronous messaging.

Cloud Native CI/CD Pipeline: [[Git](#), [Jenkins](#), [SonarQube](#), [Docker](#), [Maven](#), [Kubernetes](#), [Argo CD](#)] - [GitHub](#)

- Wrote groovy scripts to **automate** each step (Pull, Build, Vulnerability scans, Dockerize and scripts to update the manifest).
- Authored an end-to-end Jenkins CI pipeline and created Argo CD application set to deploy the service.

Mentor on Demand: [[Java](#), [Spring Boot](#), [Algorithms](#), [MySQL](#), [REST API](#)] - [GitHub](#)

- Built a mentor-matching platform with 5 microservices with the business logic for the mentor and student's components.
- Designed and implemented database schema with **ACID properties**, handling thousands of concurrent bookings.

Helming Observability Stack: [[GitOps](#), [Helm](#), [Grafana](#), [OpenTelemetry](#), [Prometheus](#)] - [GitHub](#)

- Authored an observability stack for efficient **monitoring** of metrics, logs and distributed tracing and created Helm Chart to improve consistency in deployments across environments.