SAICHARAN KOTEKAL

kotekalsaicharan18@gmail.com | (850) 405-2828 | LinkedIn | Portfolio | Leetcode | Tallahassee, FL (open to Relocate)

EDUCATION

Florida State University – *Master of Science in Information Technology*, GPA – 3.97 /4 — **August 2023 – May 2025**
Vellore Institute of Technology – *Bachelor of Technology*, GPA – 3.96/4 — **July 2018 – May 2022**

TECHNICAL SKILLS

Programming Languages: C, C++, Java, Python, JavaScript, TypeScript, SQL, Go
Frontend Development: Angular, React, HTML5, CSS3, Bootstrap
Backend Development: Spring, Spring Boot, Microservices, REST APIs/ RESTful APIs, GraphQL, Hibernate
Tools and Platforms: Docker, Kubernetes, OpenShift, Helm, ArgoCD, Ingress, Kafka, RabbitMQ, Jenkins, GitLab, CI/CD, Git, JUnit, Mockito, Postman, Maven, Swagger/OpenAPI, Apache JMeter, Terraform, Grafana
Cloud Services: Eureka, AWS (EKS, EC2, RDS, API Gateway, DynamoDB, CloudWatch, Load Balancer), Azure, GCP
Databases: MySQL, PostgreSQL, MongoDB

PROFESSIONAL EXPERIENCE

Florida State University — **Tallahassee, USA**
Software Developer — July 2024 – Present

- **Led a cross-functional team** to design and implement a scalable, high-performance **web scraping** system using **Spring Boot, Java, Selenium, and Docker,** collecting and storing over 20,000 job ads, improving data collection efficiency by 30%.
- **Created** Data Access Objects(DAOs) utilizing **JPA & Hibernate**, leveraging ORM capabilities to manage database data effectively and incorporating **JUnit** using **Mockito** for comprehensive testing, improving code reliability by 35%.
- **Developed** and deployed **RESTful APIs** with Spring Boot and integrated **Swagger** for **API documentation**, enabling the department to filter, search seamlessly, and access job information, resulting in a 40% reduction in manual data processing.
- **Leveraged Docker** for containerization, ensuring seamless deployment and scalability of 3+ microservices.
- **Integrated Kafka** for real-time, event-driven data processing, enabling asynchronous job ad notifications and scalable handling messages. Utilized **Spring Cloud Stream** to reduce data latency by 25% and enhance system responsiveness.

Accenture — **Chennai, India**
Software Engineer — August 2022 – August 2023

- Utilized **Agile** methodology and actively engaged in **Scrum** meetings to deliver high-quality results within a specified timeline.
- **Spearheaded** the **migration** of a **monolithic system to microservices** for **Bank of America**, developing 10+ **RESTful microservices** with **Spring Boot, Docker, and AWS**, improving deployment speed by 50%.
- **Architected and orchestrated** a highly available **microservices** infrastructure using **Docker and Kubernetes**, on **AWS EKS** achieving 99.99% uptime, while managing critical banking applications serving 100K+ transactions per minute.
- Engineered **Event-Driven** financial processing system using **Apache Kafka** and Spring Boot, handling 1M+ transactions.
- **Streamlined CI/CD** processes with **Jenkins** and **ArgoCD**, reducing deployment time by 40% and achieving zero-downtime deployments through efficient build, test, and deployment orchestration while leveraging **Kubernetes** for automated scaling.
- Performed **JUnit** test cases for Controllers and Service Implementation classes to ensure the reliability and functionality of RESTful APIs—leveraged **Test-Driven Development (TDD)** principles, reducing production bugs by 40%.

CodeQuest — **Vellore, India**
SQL Developer Intern — March 2021– May 2021

- **Reduced** SQL query **execution time** by 25%, **boosting** report generation **speed** by 30%.
- **Automated data extraction** processes, saving 10+ hours weekly and streamlining data management workflows

PROJECTS

UberEATS Clone — **February 2024**

- **Implemented a microservices**-based food delivery platform (5 **Spring Boot** services) handling 500+ concurrent users in load testing and containerized with **Docker/Kubernetes** on AWS EKS achieving 95% uptime and built responsive **Angular** frontend reducing average page load time to under 3 seconds.

Order and Inventory Management — **January 2023**

- **Architected** a microservices-based inventory system with **REST APIs and Hibernate**, enabling seamless vendor-based service allocation and data processing, achieving 100% test coverage with **Junit.**

ACHIEVEMENTS

- Earned 2 certificates in **Information Architecture** and **Information Leadership** in 2025, from Florida State University.
- Secured the 100 Days Badge on **Leetcode** by completing algorithm challenges and **data structure** problems