

SAICHARAN KOTEKAL

sk23x@fsu.edu • (850) 405-2828 • [LinkedIn](#) • [Portfolio](#) • [Leetcode](#) • Tallahassee, FL

EDUCATION

FLORIDA STATE UNIVERSITY	Tallahassee, FL
Master of Science in Information Technology / GPA-3.97	August 2023 – May 2025
VELLORE INSTITUTE OF TECHNOLOGY	Vellore, India
Bachelor of Technology / GPA-3.96	July 2018 – May 2022

TECHNICAL SKILLS

Programming Languages: Java, Python, SQL, JavaScript, TypeScript, C, C++, Go
Backend Development: Spring, Spring Boot, Microservices, REST APIs/ RESTFul APIs, GraphQL, Hibernate, Node.js, Kafka, OAuth2
Frontend Development: Angular, React, HTML5, CSS3, JQuery, JSP, Bootstrap
Tools & Platforms: Docker, Kubernetes, RabbitMQ, OpenShift, Jenkins, GitLab, CI/CD, Jira, Git, JUnit, Mockito, Postman, Swagger /OpenAPI, Apache JMeter, Maven, Terraform, Grafana, Datadog, ArgoCD, Helm
Cloud Services: Eureka, AWS (EKS, EC2, API Gateway, DynamoDB, CloudWatch, Load Balancer), Azure, GCP, Datadog
Databases: MySQL, PostgreSQL, MongoDB
Programming Paradigms: Object-Oriented Programming (OOP), Functional Programming (Java Streams, Lambdas), Concurrency and Multithreading

PROFESSIONAL EXPERIENCE

FLORIDA STATE UNIVERSITY	Tallahassee, FL
Graduate Research Assistant Java, Spring Boot, PostgreSQL, Web Scraping, Docker, Spring Cloud, Kafka	July 2024 – Present
<ul style="list-style-type: none">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 utilizing JPA & Hibernate, leveraging ORM capabilities to manage data in the database effectively and Incorporated 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

Software Engineer Java, Spring Boot, SQL, MongoDB, React, Kafka, Microservices, Apache Tomcat	Chennai, India
	August 2022 – August 2023
<ul style="list-style-type: none">Utilized Agile methodology and actively engaged in Scrum meetings to deliver high-quality results within specified timelines.Developed RESTful scalable 5+ microservices(Accounts, Loans, and Cards) for client Bank of America using Spring-Boot, Docker, and AWS, optimizing transaction workflows and reducing manual operations by 10%.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+ daily transactions.Engineered real-time Event-Driven financial processing system using Apache Kafka and Spring Boot, handling 1M+ daily transactions and implementing custom recommendation algorithms with 99.99% reliability.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%.Enhanced user interface (UI) functionality through React, addressing client feedback to improve responsiveness and the overall banking experience, including personalized insights for accounts, loans, and credit card services	

CODE QUEST

SQL Developer Intern SQL, Python, Data Extraction, Query Optimization, Performance Tuning	Vellore, India
	March 2021 – May 2021
<ul style="list-style-type: none">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 Spring Boot, Java, Docker, Kubernetes, AWS EKS, Angular, Jenkins, ArgoCD	
<ul style="list-style-type: none">Implemented a microservices-based food delivery platform (5 Spring Boot services) handling 500+ concurrent users in load testing. 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 System Java, Springboot, React, MYSQL, Eureka, Docker	
<ul style="list-style-type: none">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, demonstrating management expertise.
- Secured the **100 Days Badge on LeetCode** by completing algorithm challenges and **data structure problems**.
- Contributed to **1 research paper** in **IJARESM** on applying **NLP** techniques for trend forecasting in Fake News in **2022**.