Sreeram Charagundla

sreeram.charagundla@outlook.com | LinkedIn
(708) 513-1828

SUMMARY

Software Engineer with a Master's in Information Systems and 2+ years of hands-on experience. I specialize in **developing secure**, **scalable backend applications and distributed systems** using **Java, Kafka, REST APIs,** and **Spring Boot,** while also excelling in **full-stack** development by leveraging **MEAN/MERN** Stacks. I'm exposed to cloud services like **AWS**, containerization using **Docker**, **and CI/CD** tools such as **Jenkins** and **GitHub Actions**. Having a finance-related software development background, I love solving complex software challenges and am committed to continuous learning for growth in dynamic environments.

SKILLS

Programming Languages:	Java	C/C++	JavaScript	TypeScript	Python
Frameworks & Libraries:	Spring Boot (Microservices, Batch Processing, Spring MVC)	Hibernate/JPA	Node.js	GraphQL
Front-End Technologies:	Angular	React	Next.js	HTML5	CSS	Bootstrap	PrimeNG
Databases & Messaging:	SQL (Oracle, Postgres, SQL Server)	NoSQL (MongoDB, Redis, Cassandra)	Kafka	RabbitMQ
Cloud & DevOps:	AWS (foundational knowledge in Azure and GCP)	Docker	Kubernetes	CI/CD (Jenkins, GitHub)
Methodologies & Tools:	Agile/Scrum	REST APIs	gRPC	Testing (Selenium, TestNG)	Jira	Confluence	Dynatrace	SonarQube

EDUCATION

Master's in Information Systems (GPA: 3.8)   Dec 2024
Northeastern University, Boston, MA

Bachelor's in Computer Science and Engineering (GPA: 3.7)   Nov 2020
GITAM University, Hyderabad, India

Relevant Coursework: Object Oriented Programming, Functional Programming, Data Structures & Algorithms, Network Structures & Cloud Computing, Quality Assurance & Automated Testing, Data Modeling & Database Design, TCP/IP, Operating Systems, System Design, DevOps, Service Oriented Architecture, Big Data Indexing, Machine Learning using Python, AI LLMs, & Prompt Engineering.

WORK EXPERIENCE

Northeastern University, Boston, MA   May 2023 – Dec 2024
Title – Graduate Teaching Assistant (Course – Design Patterns using Java)
- Facilitated lab coding sessions on **Java**, emphasizing **Object-Oriented principles**, Gang of Four **Design Patterns**, and **multi-threading** to instill scalable, best-practice coding standards.
- Mentored over 60+ students through project ideation and implementation, delivering targeted **code reviews**, **debugging sessions**, and agile project cycles.

Infosys, Hyderabad, India   Jan 2021 – Dec 2022
Title – Software Engineer (Java Full-Stack Development)
- Developed a pre-fill module for India's Income Tax Portal, automating tax data preparation for over 950 million users using **Java**, **Spring Boot**, **Kafka**, and **JSON** schema.
- Implemented real-time data synchronization with **Kafka**, ensuring instant updates by consuming database changes through a message queue and mapping results via Spring Boot.
- Built an alternative data retrieval pipeline using **Spring Batch**, **API integration**, and **SQL scripting** to process securely, decrypt, and structure client responses into JSON formats.
- Performed **root cause analysis** for production issues by tracing them back to the code and debugging them by recreating them in lower environments. Ensured that changes adhered to the client's business rules when providing a fix.
- **Collaborated cross-functionally** with QA teams, business analysts, and stakeholders using Jira for sprint planning, Confluence for documentation, and **Dynatrace** and **SonarQube** for effective debugging and **performance tuning**.

Project- Wanderlust (MEAN Stack Application)
- Developed an end-to-end single-page travel booking application using **Angular**, **Node.js**, **Express**, and **MongoDB**.
- Integrated state management using **NgRX** and optimized front-end performance through **lazy loading** strategies.
- Delivered iterative features based on customer feedback in an **agile** environment, ensuring **robustness** and **user-centric** functionality.

ACADEMIC PROJECT

- **Scalable Web Application with Real-Time Analytics and Asynchronous Data Processing**   Jan 2024 – Apr 2024
  - Designed a secure and scalable full-stack application utilizing **React** for the frontend, **Spring Boot** for the backend, and **Elasticsearch** for enhanced search capabilities.
  - Implemented **OAuth 2.0** for authentication, ensuring secure user access and data protection.
  - Integrated **RabbitMQ** for asynchronous messaging, **Redis** for caching, and deployed using AWS services, including **EC2**, **S3**, **Lambda** for serverless processing, and **Dynatrace** for monitoring and analytics.
  - Utilized **Docker** and **Kubernetes** for container orchestration, ensuring scalability and reliability in the environment

AWARDS

- **Certificate of Appreciation** (Q3 – Sept 2022) recognized for proactively collaborating across teams, driving effective problem-solving, and delivering impactful results in the Income Tax Portal project.