Sreeram Charagundla

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(708) 513-1828 | Portfolio

SUMMARY

Software Engineer with 2+ years of experience building scalable applications using Java, Spring boot, Kafka, Angular, AWS, and MEAN/MERN Stack. Known for a strong ability to adapt to new technologies and quickly learn modern frameworks and tools. Holds a Master's in software engineering and thrives in fast-paced environments, solving complex challenges with innovative solutions. Passionate about continuous learning and leveraging cutting-edge technologies to deliver impactful results.

SKILLS

Programming Languages:	Java	C/C++	JavaScript	TypeScript	Python	HTML5	CSS	Bootstrap	SQL	GraphQL
Frameworks/Libraries:	Spring Boot (RESTful, Microservices, Batch processing)	Express JS	Node.js	Angular	React
Databases/Messaging Queues:	Kafka	RabbitMQ	SQL (Oracle, Postgres, SQL Server)	NoSQL (MongoDB, DynamoDB, Redis)
Technologies/Methodologies:	REST API	AWS	CI/CD	Selenium	GIT	Postman	Docker	Junit	Scrum	Kubernetes

EDUCATION

Masters in Computer Software Engineering (GPA: 3.8)   Dec 2024
Northeastern University, Boston, MA
Relevant Coursework: Object Oriented Programming, Data Structures and Algorithms, Network Structures & Cloud Computing, Big Data Applications & Indexing Techniques, Design Patterns, Data Modeling and Database Design, Application Engineering and Development

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

WORK EXPERIENCE

Northeastern University, Graduate Assistant, Boston, MA   May 2023 – Dec 2024
- Led interactive coding sessions and resolved conceptual queries for 60+ students, ensuring adherence to **Design Patterns using Java**, resulting in improved understanding and application of Best Practices in **Object Oriented Programming**.
- Addressed conceptual queries, conducted technical design reviews, and mentored students in understanding **Software Design Proficiency and multithreading** concepts in Java, ensuring **scalable** and **maintainable** code was written.

Infosys Limited, Software Engineer, Hyderabad, India   Jan 2021 – Dec 2022
Income Tax Portal:
- Engineered a pre-fill module for the Tax Filing Portal, Government of India, serving 950M+ taxpayers; optimized data retrieval using **SQL** via **RESTful APIs** in **JSON** files, reducing filing time, & improving financial management efficiency.
- Developed a personalized tax portal leveraging **Microservices architecture**, **Spring Boot,** and **Hibernate**, enhancing user data accuracy and increasing tax submission efficiency by 30%, while ensuring modular and scalable application design.
- Utilized **Apache Kafka** to transmit data as messages from **SQL Databases** via a message queue, where messages are produced and consumed by the **Spring boot Application,** thus maintaining consistency and real-time synchronization across services.
- Designed a scalable **Spring Batch Processing Application** processing 10,000 records/min, improving data computation speed, leveraging **Hibernate** for efficient Database interactions, and ensuring up-to-date portfolio management for users.
- Supported all phases of the **Software Development Life Cycle** (SDLC) – Requirements Gathering, Design, Development, Testing, Implementation, & Production Support. Utilized Git and CI/CD pipelines and followed a **Scrum Workflow**. Monitored logs using **Dynatrace** to reduce production bugs and ensure code quality with **SonarQube** benchmarks.

Wanderlust Website, **Full Stack Engineer**:
- Orchestrated the development of a responsive travel booking single-page application using **MEAN Stack (MongoDB, Express.js, Angular, Nodejs)**; enhanced user satisfaction, leading to a noticeable increase in bookings.
- Adhered to the **Agile Methodologies** and **Scrum Framework;** proactively resolving technical challenges, performing thorough code reviews, and communicating with cross-disciplinary teams, Product Managers, Business Analysts, and clients.
- Led the development of a **high-performance, fault-tolerant, and scalable** travel booking application, enhancing API communication mechanisms, achieving faster response times, and ensuring seamless user interactions.
- Proposed **Lazy loading** and optimized data handling with **Angular Pipes,** reducing initial load times and enabling seamless rendering of dynamic travel itineraries and booking details; significantly improved interaction speed & application performance.
- Implemented **NgRX state management** to centralize application state, enabling real-time synchronization of user preferences, booking details, and search filters; improved data consistency & user experience during the multi-step booking process.

PROJECTS

- **Scalable Web Application with Real-Time Analytics and Asynchronous Data Processing**
  Implemented a scalable web application leveraging **React**, **Node.js**, **Elasticsearch**, **Redis,** and **RabbitMQ**; Restructured CRUD operations **OAuth2.0** authentication, ensuring data consistency and security in **Redis** NoSQL database; engineered a robust parent-child data indexing and integrated **MQ** for message queuing; **Redux** for state management of the user.

- **An Operating System Simulation with Process Scheduling and File Management**
  Built an interactive **OS simulation** in **C++** that dynamically responds to users' commands, implementing critical scheduling algorithms such as **Process Scheduling** and **Round Robin** for efficient process management. Integrated **UNIX System calls** and **shell scripting** to enhance functionality, demonstrating proficiency in **algorithm design**, **system programming,** and **resource optimization.**

AWARDS AND ACHIEVEMENTS

- Awarded Certificate of Appreciation (Q3 – Sept 2022) in Infosys for adapting to challenges, dynamically taking up tasks, effective communication, problem-solving, being a team player, and delivering highly impactful results.