

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	
<b>Relevant Coursework:</b> 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
<ul style="list-style-type: none"><li>Led interactive coding sessions and resolved conceptual queries for 60+ students, ensuring adherence to <b>Design Patterns using Java</b>, resulting in improved understanding and application of Best Practices in <b>Object Oriented Programming</b>.</li><li>Addressed conceptual queries, conducted technical design reviews, and mentored students in understanding <b>Software Design Proficiency and multithreading</b> concepts in Java, ensuring <b>scalable</b> and <b>maintainable</b> code was written.</li></ul>	
Infosys Limited, Software Engineer, Hyderabad, India	Jan 2021 – Dec 2022
Income Tax Portal: <ul style="list-style-type: none"><li>Engineered a pre-fill module for the <a href="#">Tax Filing Portal</a>, Government of India, serving 950M+ taxpayers; optimized data retrieval using <b>SQL</b> via <b>RESTful APIs</b> in <b>JSON</b> files, reducing filing time, &amp; improving financial management efficiency.</li><li>Developed a personalized tax portal leveraging <b>Microservices architecture</b>, <b>Spring Boot</b>, and <b>Hibernate</b>, enhancing user data accuracy and increasing tax submission efficiency by 30%, while ensuring modular and scalable application design.</li><li>Utilized <b>Apache Kafka</b> to transmit data as messages from <b>SQL Databases</b> via a message queue, where messages are produced and consumed by the <b>Spring boot Application</b>, thus maintaining consistency and real-time synchronization across services.</li><li>Designed a scalable <b>Spring Batch Processing Application</b> processing 10,000 records/min, improving data computation speed, leveraging <b>Hibernate</b> for efficient Database interactions, and ensuring up-to-date portfolio management for users.</li><li>Supported all phases of the <b>Software Development Life Cycle (SDLC)</b> – Requirements Gathering, Design, Development, Testing, Implementation, &amp; Production Support. Utilized Git and CI/CD pipelines and followed a <b>Scrum Workflow</b>. Monitored logs using <b>Dynatrace</b> to reduce production bugs and ensure code quality with <b>SonarQube</b> benchmarks.</li></ul>	
Wanderlust Website, <b>Full Stack Engineer</b> : <ul style="list-style-type: none"><li>Orchestrated the development of a responsive travel booking single-page application using <b>MEAN Stack (MongoDB, Express.js, Angular, Nodejs)</b>; enhanced user satisfaction, leading to a noticeable increase in bookings.</li><li>Adhered to the <b>Agile Methodologies</b> and <b>Scrum Framework</b>; proactively resolving technical challenges, performing thorough code reviews, and communicating with cross-disciplinary teams, Product Managers, Business Analysts, and clients.</li><li>Led the development of a <b>high-performance, fault-tolerant, and scalable</b> travel booking application, enhancing API communication mechanisms, achieving faster response times, and ensuring seamless user interactions.</li><li>Proposed <b>Lazy loading</b> and optimized data handling with <b>Angular Pipes</b>, reducing initial load times and enabling seamless rendering of dynamic travel itineraries and booking details; significantly improved interaction speed &amp; application performance.</li><li>Implemented <b>NgRX state management</b> to centralize application state, enabling real-time synchronization of user preferences, booking details, and search filters; improved data consistency &amp; user experience during the multi-step booking process.</li></ul>	

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

- Earned a Certificate of Appreciation (Q3-Sept 2022) at Infosys for demonstrating adaptability, proactively managing tasks, effective communication, problem-solving skills, teamwork, and delivering exceptional results.