

SUMMARY

Software Engineer with 2 years of experience developing scalable applications using Java, Spring Boot, Angular, AWS, and the MEAN/MERN stack. Renowned for quickly adapting to new technologies and mastering modern frameworks and tools. Holds a Master’s in Software Engineering and thrives in fast-paced environments, tackling complex financial challenges with innovative solutions. Passionate about continuous learning and leveraging cutting-edge technologies to deliver impactful results that drive user satisfaction.

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

**Relevant Coursework:** Programming with C/C++, Java, DSA, Computer Organization & Architecture, UNIX programming, OS, Computer Networks, Compiler Design, UML Design, Data Mining, Open Source Software Development in Python, Cryptography & Network Security.

WORK EXPERIENCE

Northeastern University, Graduate Teaching 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

- 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.