

# Ajith B

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## EDUCATION

### Northeastern University

Boston, MA

*Master of Science in Computer Systems Engineering GPA: 3.7*

*Aug 2023 - May 2025*

- Relevant Coursework: Algorithms, Data Structures, Object-Oriented Design, Relational Database

### Presidency University

Bangalore, India

*Bachelor of Engineering in Electronics and Communication Engineering*

*Aug. 2017 - May 2021*

- Relevant Coursework: Computer Networks, Operating System

## EXPERIENCE

### Software Development Engineer 1

Sept 2021-Apr 2023

*Tavant Technologies - Fintech Domain | Java 11, SpringBoot, Spring MVC, PostgreSQL*

*India*

- Implemented Submission Service, a backend service using **Java**, **Spring Boot**, and **Microservices architecture** to optimize financial document submission, resulting in a **50%** increase in client engagement
- Engineered high-level workflow design, driving the shift from monolithic to microservice architecture using Agile Software Development Life Cycle methodology, benefiting **1000+** customers
- Integrated messaging queues and databases with high-performance REST APIs deployed via Spring Boot, achieving a **30%** increase in data processing speed and saving **\$20,000** annually in operational costs
- Managed **PostgreSQL** databases, optimized SQL queries, reducing report generation **time by 20%**
- Led a team of four, achieving a **25%** processing time reduction through Camunda BPMN workflow automation
- Achieved payment debt mitigation through **40%** codebase refactoring, enhancing workflows and system efficiency
- Enhanced mortgage loan evaluation by **50%** through resolving integration testing defects
- Designed and executed 350+ unit test cases, achieving over 85% code coverage, reducing post-release issues by **30%**

### Software Development Intern

Jan 2021 - June 2021

*Triax - | Java 8, SpringBoot, Spring Data JPA, MySql*

*India*

- Engineered an optimized **backend** platform with **MVC architecture**, **MySQL**, and **Spring Boot**, revolutionizing booking management with PDF API integration and email capabilities
- Setup highly scalable, fault tolerant systems to monitor and trace requests within micro services
- Improved overall testing accuracy by **25%** by using **Junit** and **Mockito** framework
- Got trained on System Design, Multi-level Architecture, Networking, Cloud Orchestrations, Distributed Systems

## PROJECTS

### Laugh & Lift - Full Stack | *React.js, Redux, Express JS, Node JS, TypeScript, MongoDB, Material UI, Postman API*

- Implemented an end-to-end fitness app, facilitating trainer-trainee interaction with **Node.js** backend and **React.js** frontend, integrating **Socket.IO** for real-time chat resulting in a notable **40%** surge in user engagement

### Netflix-GPT | *React.js, Redux, Firebase, Open AI, Tailwind CSS*

- Engineered a streamlined Netflix GPT app, utilizing **TMDB** and **Firebase** for rapid data access, enriched by **OpenAI's GPT-3.5** for personalized recommendations, resulting in maintaining **95%** user satisfaction.

### FoodHub | *JavaScript, ReactJS, TailwindCSS, Firebase, Firebase Auth, Parcel JS, Redux*

- Developed a food platform with **React**, **Redux**, **Tailwind CSS**, and **Swiggy API** for real-time restaurant data retrieval, and enhancing security by **40%** through **Firebase Authentication**

## TECHNICAL SKILLS

**Languages:** Java, Python, C, C++, JavaScript, TypeScript, SQL, C#

**Frameworks/Technology:** SpringBoot, REST, GraphQL, React, Node.js, Express.js, HTML, CSS, SASS/SCSS, JUnit, Jest, Material-UI, DOM, HTTP protocol, Kubernetes, Docker, Apache Kafka, RabbitMQ, AWS, Linux, Windows

**Tools:** Git, Splunk, JIRA, Jenkins, Maven, Figma, PostMan, Workbench