TRAN MINH TRI

JAVA DEVELOPER

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Introduce

Backend Developer with internship experience in RESTful API development and hands-on project experience with Java Spring Boot, Node.js, and microservices architecture. Strong foundation in OOP, Data Structures and Algorithms, and database design. Eager to enhance technical skills, solve real-world problems, and contribute to the company's long-term growth.

Education

Ho Chi Minh City University of Industry *9/2022 – 12/2026* | **GPA: 3.3/4.0**

Skills

Backend & Architecture: Spring Boot, Microservices, RESTful APIs, gRPC, Socket.

Frontend: ReactJS, TypeScript.

Databases & Caching: SQL, NoSQL, Redis.

Core Foundations & Tools: Data Structures and Algorithms, OOP, Design Patterns, Git/GitHub.

Languages: English (Technical Reading).

Experience

F5BIZ VIET NAM COMPANY LIMITED | *Backend Developer Intern* *7/2026 – 10/2026*

- Analyzed Product requirements to develop a Task Management module and an OTP-based email recovery flow, under Team Leader supervision.
- Partnered with Frontend and QA teams to integrate RESTful APIs and resolve bugs.

Projects

Disaster Rescue Management System | *Backend Developer (Team: 2)* *6/2026 – Present*

- **Description:** A disaster rescue management platform designed to streamline incident reporting, rescue team coordination, and emergency response operations.
- **Tech Stack:** Spring Boot, Nodejs, PostgreSQL, Apache Kafka, Redis, Socket, n8n, gRPC, Microservices.
- **Contributions:** Designed microservice database schemas for incident reporting, user management, rescue resources, and volunteer coordination.
- **Key Features:** Implemented JWT-based user registration and login, integrated social media data collection with n8n, used Redis to optimize nearby rescue team search for SOS requests, and supported SMS-based emergency requests when users lose internet connection.
- **Github:** https://github.com/tuan04/disaster-rescue-be-kltn2026

Cinema Ticket Booking System | *Full-Stack Developer (Team: 3)* *1/2026 – 6/2026*

- **Description:** A Microservices-based movie ticketing system for a 5-branch HCMC cinema chain, featuring Redis caching for high performance and Role-Based Access Control (RBAC) for 5 user types.
- **Tech Stack:** ReactJS, TypeScript, Tailwind, Spring Boot, JWT, MySQL, PostgreSQL, MongoDB, Redis, Docker, AWS EC2.
- **Contributions:** Designed and implemented a robust database schema supporting 5 user roles and optimized for high-concurrency movie ticketing operations. Developed both frontend and backend features for user authentication, operational asset configuration, and end-to-end ticket scanning/verification pipelines.
- **Key Features:** Secure Stateless Authentication Flow (XSS-resistant, Redux, httpOnly Cookies), API Gateway, Asynchronous Processing via Kafka, Caching Optimization with Redis, Resilience & Fault Tolerance via Resilience4j, DevOps (Docker, CI/CD).
- **Github:** github.com/phamthanhtrivn/alpha_cinema