

Tran Trong Nghia – Software Engineer

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PROJECTS

- Support Dashboard – Full-Stack Ticketing and Support Management System** [Github](#)
2026
- **Type:** Individual Project
 - **Live Demo:** sd.lilsadfoqs.dev
 - **Description:**
 - Built a full-stack support ticket system with Go, Gin, PostgreSQL, Next.js, React, and Ant Design.
 - Implemented JWT authentication, role-based access control, ticket workflows, threaded replies, assignment, and validated status transitions.
 - Integrated Gemini API to summarize ticket conversations and generate structured reply suggestions for support agents.
 - Deployed the application on AWS EC2 using Docker Compose, Nginx, and a custom subdomain.
 - **Technologies:** Go, Gin, PostgreSQL, Next.js, React, Ant Design, JWT, RBAC, Gemini API, Docker, AWS EC2, Nginx.
- RelayOps – Event-Driven Workflow Platform** [Github](#)
2026
- **Type:** Individual Project
 - **Live Demo:** relayops.lilsadfoqs.dev
 - **Description:**
 - Built an event-driven job processing platform with Go, Chi, PostgreSQL, NATS, Next.js, and Docker Compose.
 - Implemented event ingestion, asynchronous worker processing, job planning, retry with backoff, and dead-letter handling.
 - Built an observability dashboard for system metrics, recent events, job history, failed jobs, and replay controls.
 - Deployed the system on AWS EC2 with Nginx, Certbot, Docker Compose, and a custom subdomain.
 - **Technologies:** Go, Chi, PostgreSQL, NATS, Next.js, React, Docker Compose, Nginx, Certbot, AWS EC2.
- Trading Simulator – Real-Time Full-Stack Trading Simulation Platform** [Github](#)
2025
- **Type:** Team Project
 - **Description:**
 - Built a real-time XAUUSD trading simulator using React, TypeScript, Node.js, Express.js, Socket.IO, and Supabase PostgreSQL.
 - Implemented trading workflows, authentication, order handling, position management, account metrics, and portfolio views.
 - Used Socket.IO to deliver live price updates, account metric updates, and risk alerts to connected clients.
 - Applied TypeScript, schema validation, and database-backed state management for multi-user trading sessions.
 - **Technologies:** React, TypeScript, Node.js, Express.js, Socket.IO, Supabase, PostgreSQL, REST APIs, WebSocket.

DEVELOPMENT PRACTICE

- Work daily in Linux-based development environments using Git, shell commands, Docker, and remote server deployment workflows.
- Deploy and operate personal full-stack applications on AWS EC2 with Nginx, custom domains, Docker Compose, and production service configuration.
- Use AI coding tools such as Claude Code, Codex CLI, and Gemini CLI for headless automation workflows or speed up development.

EDUCATION

2022 – Expected Nov 2026 Bachelor of Computer Science at **University of Science, VNU-HCM** Ho Chi Minh City, Vietnam

2019 – 2022 Chemistry at **Nguyen Du High School for Gifted** Dak Lak, Vietnam

SKILLS

Core Languages: Go, JavaScript, TypeScript, Python, Bash, HTML/CSS

Frontend: Next.js, React

Backend: Go Gin, Go Chi, Node.js - Express.js, FastAPI, REST APIs, JWT, RBAC, WebSocket

Databases: PostgreSQL, Supabase, Redis, MongoDB

Cloud & DevOps: AWS EC2, AWS S3, Docker, Linux, Git, Nginx

Applied AI: AI Coding Assistant, AI Agents, AI skills, AI MCPs

Languages: Vietnamese Native, English B2