

TIEN ANH TRAN

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Objective

Self-taught backend developer skilled in Golang, Node.js, data structures and algorithms, passionate about building scalable, high-performance systems. Eager to contribute to innovative backend solutions with a focus on efficiency and reliability.

Education

Hanoi University of Science and Technology
Mechatronics Engineering

Sept 2018 – Sept 2024

- Developed embedded software for robotic systems using C, integrating sensors and actuators.
- Completed coursework in control systems, microcontrollers, and programming.

Skills

- **Programming languages:** JavaScript(Node.js), TypeScript, Golang, C/C++
- **Backend technologies:** REST API, gRPC, Express.js, Nest.js, Prisma, SQL, Sqlc
- **Tools & Platforms:** Linux, Bash, Docker, Git, PostgreSQL, MongoDB
- **Frontend frameworks:** React, Next.js (proficient in integrating with backend systems)
- **Concepts:** Data Structures, Algorithms, Web Security (SSL/TLS, JWT, OAuth)
- **Soft Skills:** Strong problem-solving, self-directed learning, independent project management

Pet Projects

Enlighten | Social Media Platform for Knowledge Sharing

- Designed and implemented a scalable backend using Golang and gRPC, enabling efficient communication between microservices.
- Designed, migrated, and optimized PostgreSQL database queries.
- Handled authentication with JWT token, implemented OAuth from scratch.
- Repositories: github.com/AnhBigBrother/enlighten-backend | github.com/AnhBigBrother/enlighten-frontend

Messenger | A real-time chat application

- Designed and developed a real-time chat application with Next.js, integrating Pusher for real-time communication and data synchronization.
- Implemented OAuth authentication using Next-Auth.js for secure Google/GitHub logins.
- Designed MongoDB schema with Mongoose ODM for efficient data management.
- Repository: github.com/AnhBigBrother/messenger

Shop punk | An e-commerce store for technology goods

- Built a RESTful backend with Express.js and MongoDB, supporting product filtering and orders.
- Implemented JWT-based authentication with user and admin roles for secure access control.
- Integrated Firebase for scalable product image storage, optimizing load times.
- Repository: github.com/AnhBigBrother/E-Commece | admin account: admin2@email.com | pass: admin123

AskAI | An AI-integrated CLI application

- Developed a terminal-based app in Golang using Cobra, integrating Google Gemini AI API.
- Repository: github.com/AnhBigBrother/askai