

NGO TRUNG VINH

BACKEND DEVELOPER



SUMMARY

I am a Backend Developer with more than 4 years of experience in NodeJS, have knowledge in Web Development and Networking.

Constantly learning to improve programming knowledge to develop professional skills and have a passion for learning new languages, and technologies.

OBJECTIVE

One step a **DAY** toward a **CLEAN CODER**

PROFILE

Fullname: NGO TRUNG VINH
Location: Ho Chi Minh, Viet Nam
Gender: Male

CONTACT

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Portfolio: <https://v-portfolio-henry.netlify.app>

EDUCATION

CAN THO UNIVERSITY - VIETNAM (Sep 2017 - Sep 2021)

Major: Data Communication and Computer Networks

EXPERIENCE

DEVELOPER, MURROR AI:

Position: Backend Developer (Jul 2025 – now).

Main responsibilities:

- Build socket server to send and receive data from devices.
- Develop and maintain backend systems using **TypeScript**, **NestJS**, and **Deno**.
- Design and optimize **RESTful APIs** and **LLM-based services** for personalized mental health insights.
- Manage **serverless architecture** and **cloud infrastructure** with **Supabase**.
- Implement **CI/CD pipelines** via **GitHub Actions** for automated testing and deployment.
- Ensure **data security**, privacy, and system scalability.
- Collaborate closely with AI, frontend, and product teams.
- **Use:** TypeScript, NestJS, Deno, Python, Supabase, PostgreSQL, Redis, RabbitMQ, GitHub, Jira, Linear, Figma, Docker, LLMs, Prisma, Grafana, K8S, OneSignal.

Key Projects:

- **Murror AI Platform:** Core backend powering user insights, journaling, and multilingual support.
- **Insight Service:** LLM-based microservice built with **FastAPI** for AI-driven recommendations.

Projects:

- Website: <https://www.murror.app>

DEVELOPER, LIZAI INC:

Position: Software Engineer (Aug 2023 – May 2025).

Main responsibilities:

- **NodeJS team (Microservices Crawler Platform):**
 - Built and maintained a scalable distributed crawler with multiple services communicating via RabbitMQ.
 - Handled large-scale, multi-level data and used AWS Lambda for event-driven processing.
 - Stored processed data in MySQL and indexed key fields in Elasticsearch.
 - Developed RESTful APIs for CMS admins and Python team consumption.
 - Containerized services using Docker and orchestrated with Docker Compose.
- **Python team (AI & Machine Learning):**
 - Extracted data from Excel, CSV files, and images (OCR).
 - Supported training ML models for English translation.
- **.NET team (Data Synchronization):**
 - Built FHIR modules integrating healthcare data via HL7v2.
 - Synced hospital data in real time across MySQL, PostgreSQL, MongoDB, MSSQL using Kafka & Debezium (CDC).
- **Use:** NodeJS, MongoDB, MySQL, PostgreSQL, MSSQL, RabbitMQ, Kafka, Debezium, Docker, S3, MinIO, Elasticsearch, Jira, Bitbucket.

Projects:

- Platform: <https://www.lizai.co/platform>

EXPERIENCE

DEVELOPER, TEKNIX TECHNOLOGY CORPORATION:

Position: Backend developer (Sep 2022 – Jun 2023).

Main responsibilities:

- Build socket server to send and receive data from devices.
- Code API and custom plugins.
- Use some cron-job for logging data.
- Monitor data and build dashboard.
- **Use:** NodeJS, NestJS, Strapi CMS, MongoDB, PostgreSQL, Prisma, Elastic Search, Socket.IO, Docker, AWS S3, Grafana, Jira, GitHub.

Projects:

- FM CMS: <https://dev-fe.hoangthelongtto.vn>
- Grafana monitor: <https://grafana.dev-tn.com>
- Website: <https://www.teknix.vn>

EXPERIENCE

DEVELOPER, HAU GIANG AGRICULTURAL SOLUTIONS:

Position: Backend Developer (Mar 2022 - Aug 2022).

Main responsibilities:

- Built and scaled server features to manage IoT farm data (temperature, humidity, light) and supported frontend with auth, search, filter, and pagination.
- **Use:** NodeJS, Express, MongoDB, MQTT, GitLab.

Projects:

- HASU farm: <http://hasufarm.com>

DEVELOPER, MAYSOFT CANTHO

Position: Intern Developer (Jun 2021 - Oct 2021).

Main responsibilities:

- Research API and Data from database.
- Build, develop front-end features.
- Fiix bug code on the front-end side.
- Learn some tools used to manage source code.

Projects: <https://maysoft.io/product>