NGO TRUNG VINH
SOFTWARE ENGINEER

SUMMARY

I am a Software Engineer 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: Software Engineer (Jul 2025 – Dec 2025).

Main responsibilities:

- Collaborated with Product, UI/UX, AI (Python), Frontend, and Business teams to align requirements and deliver backend features.
- Built real-time socket servers for mobile data exchange.
- Developed a custom serverless API gateway using Supabase Edge Functions (Deno runtime), Auth, and Storage.
- Engineered and optimized APIs across NestJS and Supabase Edge Functions (Deno runtime) for Frontend, and internal AI services.
- Delivered personalized user data to AI pipelines via RabbitMQ (RAG-lite).
- Implemented background scheduling with BullMQ (Redis) and notifications via OneSignal.
- Set up monitoring and alerting using Grafana and Prometheus.
- Supported GitHub Actions CI/CD pipelines with Kubernetes deployment and kubectl-based namespace monitoring.
- **Use:** TypeScript, NestJS, Deno, Python, Supabase, PostgreSQL, Redis, RabbitMQ, GitHub, Jira, Figma, Docker, LLMs, Prisma, Grafana, Kubernetes(K8S), OneSignal.

Projects:

- Company Website: https://www.murror.app

DEVELOPER, LIZAI INC:

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

Main responsibilities:

- Received requirements from the Site Head and executed tasks assigned by respective team leads (NodeJS, Python and .Net).
- **NodeJS team (Microservices Crawler Platform):**
  - Built a distributed crawler with Node.js microservices and RabbitMQ to handle deep crawling, using AWS Lambda for scheduling and notifications, with data stored in MySQL and Elasticsearch for the Python team.
  - Developed RESTful APIs to expose processed data for CMS (Angular) and .NET services.
  - Containerized and deployed the platform using Docker and 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, and MSSQL using Debezium (CDC).
- **Use:** NodeJS, SQL/NoSQL DBs, Kafka/Debezium (CDC), AWS Lambda, S3/MinIO, Elasticsearch, Docker, 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:** 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
- Company Website: https://www.teknix.vn

EXPERIENCE

DEVELOPER, HAU GIANG AGRICULTURAL SOLUTIONS:

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

Main responsibilities:

- Developed backend services for a smart farming platform with automation and remote environmental control.
- Integrated MQTT for real-time IoT communication, managing temperature, humidity, and lighting data.
- Collaborated with frontend to deliver dashboard features (auth, search, filtering, pagination).
- Designed and managed data storage using MongoDB.
- **Use:** NodeJS, Express, MongoDB, MQTT, GitLab.

Projects:

- HASU farm: http://hasufarm.com

DEVELOPER, MAYSOFT CAN THO

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.
- Use: NodeJS, Express, ReactJS, React Native and Git.

Projects: https://maysoft.io/product