

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

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

CONTACT

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EXPERIENCE

DEVELOPER, MURROR AI:

Position: Software Engineer (Jul 2025 – Dec 2025).

Main responsibilities:

- Built socket server to send/receive data from mobile devices.
- Developed a custom serverless API gateway with Supabase Deno Functions, Supabase Auth, and Supabase Storage.
- Implemented and optimized RESTful APIs using TypeScript, NestJS for mobile and internal AI services.
- Worked on LLM pipelines, using RabbitMQ for data delivery and OpenAI (prompt engineering, RAG-lite).
- Implemented BullMQ (Redis) scheduling to generate articles on a daily timeline and send OneSignal notifications.
- Set up Grafana dashboards with Prometheus metrics, alerts, and structured logging.
- Supported GitHub Actions CI/CD pipelines (test, lint, e2e, auto-deploy) with Kubernetes deployment and kubectl-based namespace monitoring.
- Worked closely with the designer team to define requirements, user flows, and UX guidelines.
- Partnered with the Business team to review features and support release strategy decisions.
- **Use:** TypeScript, NestJS, Deno, Python, Supabase, PostgreSQL, Redis, RabbitMQ, GitHub, Jira, Figma, Docker, LLMs, Prisma, Grafana, Kubernetes(K8S), OneSignal.

Projects:

- Company Website: <https://www.mrror.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, AWS Lambda, 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.hoangthelongto.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:

- 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 CAN THO

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

Main responsibilities:

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

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