

Thai Le Sy

SOFTWARE ENGINEER



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PROFESSIONAL SUMMARY

Detail-oriented Software Engineer with over 4 years of experience specializing in backend development, core system architecture, and performance optimization. Proficient in NodeJS and Java, with a proven track record of designing scalable REST APIs, optimizing complex databases, and executing seamless system migrations. Adept at collaborating with cross-functional teams and authoring comprehensive technical documentation to deliver high-quality, stable products.

RELEVANT SKILLS

Backend & Frameworks:

NodeJS (NestJS), Java (Spring), Python, PHP (Yii2), C# (.NET 8).

Databases & Search:

PostgreSQL, MySQL, SQL Server, Elasticsearch, Redis.

Architecture & Core Skills:

RESTful API, GraphQL, Microservices/System Architecture, Data Pipelines.

DevOps, Cloud & Tools:

Docker, K8s, GitLab CI/CD, Git, Linux, Nginx, PM2.

Frontend & E-commerce:

React, NextJS, Shopify, Odoo.

WORK EXPERIENCE

FULLSTACK DEVELOPER | 06/2024 - PRESENT

SHUEI TRADING Co.

- **Engineered 3 distinct, custom Shopify Apps from scratch** to facilitate the complex migration of specialized storefronts (auto parts, furniture, etc.) from legacy platforms to a scalable Shopify architecture.
- **Designed and implemented bespoke business logic** for each independent app, tailoring the core system to meet diverse operational requirements while maximizing overall load capacity and performance.
- **Modernized the e-commerce infrastructure**, eliminating legacy system bottlenecks and ensuring high availability to robustly support the client's business scaling and growth objectives.

Client: Japan

Technologies: Shopify, Python, Odoo, Postgres, React Router, GraphQL.

BACKEND ENGINEER | 02/2022 - 05/2024 (~2 years)

GEEK Up Technology JSC.

- **Collaborated with cross-functional teams (BA, Mobile, QA)** to design technical architecture and **author comprehensive API documentation.**
- **Developed scalable REST APIs and optimized database models**, significantly improving query performance and system stability.
- Award: Recognized as **"Top Performer 2022"** for outstanding contributions to core backend development.

Key Projects:

MORPHEUS | 11/2023 - 05/2024

Product Backend - 6 members team.

- **Built the core backend system** for cybersecurity management, assisting organizations in tracking compliance, assessing risks, and enforcing security policies.
- **Implemented critical features** for employee training management to ensure strict adherence to certification standards.

Client: Singapore

Technologies: NodeJS Fastify, Elasticsearch, Postgres SQL, K8s

ALIA | 12/2023 - 02/2024

Product Backend - 4 members team.

- **Engineered robust APIs** enabling employees to self-manage office absence schedules seamlessly via mobile devices.
- **Ensured high system performance and data synchronization** between mobile apps and the central database for real-time schedule updates.

Client: Vietnam

Technologies: NestJS, Postgres, Caprover, Gitlab CI

HARVEST | 03/2023 - 10/2023

Product Backend - 4 members team.

- **Engineered robust data pipelines** using Java to automatically collect, aggregate, and structure customer data from multiple advertising platforms (Amazon Ads, Shopify, etc.).
- **Optimized data processing workflows** with Temporal to ensure high accuracy, scalability, and seamless integration with external reporting systems.

Client: India

Technologies: Java, S3 storage, Temporal, Heroku

EEVEE | 12/2022 - 04/2023

Product Backend - 6 members team.

- **Built scalable REST APIs** using NodeJS and Supabase to power a mobile educational application, enabling seamless cross-device interactions for students.
- **Leveraged Redis caching** to optimize data retrieval speeds and ensure high system performance across mobile and tablet platforms.

Client: Vietnam

Technologies: NodeJS, Redis, Postgres, Supabase

FREELANCE & INDEPENDENT PROJECTS

VOZ.EE | 12/2022 - 04/2023

Backend Developer- 4 members team.

- **Engineered robust RESTful APIs** using NestJS to power a multi-functional utility platform, featuring high-speed link shortening, secure note storage, and dynamic QR code generation.
- **Deployed and configured the backend infrastructure** utilizing Nginx and PM2, ensuring optimal request routing, high availability, and stable system performance.

Client: Vietnam

Technologies: NestJS, MySQL, Nginx, PM2

EDUCATION

Posts and Telecommunications Institute of Technology (PTIT HCM) | 2018 - 2023

Bachelor of Engineering in Multimedia Technology

- Achievement: Excellent Scholarship (GPA: 3.7)

LANGUAGES

- Vietnamese: Native
- English: Professional Working Proficiency (TOEIC 500)