Nguyen Thanh Liem

Full Stack Developer

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OBJECTIVE

Full-stack developer since 2022, with experience spanning backend microservices, frontend web, mobile apps, and database systems. I design with a focus on clean architecture, spot risks early, and build for scalability from day one. Shifting across different domains of the stack feels natural to me, and I enjoy turning complex business requirements into practical, maintainable solutions.

WORK EXPERIENCE

SAIGON BPO LTD **Nov 2022 - Present**

Full Stack Developer

Partner Integration & Data Gateway

Tech Stack: Spring Boot, PostgreSQL, ReactJS

- Engineered an intermediary gateway for multi-partner data ingestion and normalization.
- Orchestrated bi-directional data sync and transaction workflows across business partners and third-party providers.
- Designed a unified data schema to standardize heterogeneous partner formats for downstream systems.
- Implemented routing logic to distribute incoming data to appropriate internal CRM systems based on product type and business rules.
- Ensured data consistency and reliability under asynchronous updates and transactional loads.

CRM System

Tech Stack: Spring Boot, PostgreSQL, Redis, Message Queue, ReactJS, Thymeleaf

- Developed backend services for customer management with web-based call logging and activity tracking.
- Built REST APIs and integrated with banking systems for real-time customer data sync.
- Implemented comprehensive customer profiles with status tracking across different stages.
- Improved response times via caching strategies and asynchronous processing for high-volume data.

Automation & Workflow Systems

Tech Stack: Spring Boot, ActiveMQ, TTS, IVR, Python

- Architected automation workflows for call center operations with high reliability.
- Integrated voice and messaging technologies to enhance customer experience.
- Built scheduled data exchange tools with external banking systems via SFTP, API, and Web Tracking.
- Automated daily and monthly import/export routines to synchronize data with partner systems on a regular schedule.

Mobile Field Applications

Tech Stack: Flutter, Kotlin, Swift

- Built cross-platform mobile apps enabling field agents to capture leads, submit applications, and log visits.
- Provided real-time access to customer information and application status.
- Enabled field teams to complete tasks efficiently without returning to office.

Desktop Application for Internal Operations

Tech Stack: Java Swing, Python, PostgreSQL

- Developed desktop tools to support various internal operational workflows.
- Assisted back-office teams in processing, validating, and handling data manually.
- Streamlined internal tasks that required direct system interaction beyond web capabilities.

Document Management System

Tech Stack: Spring Boot, PostgreSQL, ReactJS

- Built a document management system for administrative records and official correspondence.
- Automated scheduling of tasks, meetings, and notifications based on document deadlines.
- Provided visibility into document status and processing history across departments

SKILLS

Programming Languages	Java, JavaScript, Python, Dart, Kotlin, Swift
Database & Cache	PostgreSQL, Redis
Frameworks	Spring Boot, MyBatis, ReactJS, Flutter, Nextjs, Tailwind
Others	ActiveMQ, Docker, Git, Readmine

PROJECTS

Box Tools Web **May 2026 - Present**

https://boxtool.org

A modular toolkit platform for daily work automation, built with Next.js and Java Spring Boot.

- Frontend: Next.js App Router, SSR, i18n
- Backend: Spring Boot REST APIs, JPA, PostgreSQL

DevOps: CI/CD with GitHub Actions to Cloudflare

Expanding toward multi-user SaaS with JWT authentication and premium features.

EDUCATION

Industrial University of Ho Chi Minh City (IUH) **Aug 2018 - Aug 2022**

Software Engineering

Coursework focused on Object-Oriented Design, Software Architecture, Design Patterns, and full-stack development with Java, Web, and Mobile technologies.

ADDITIONAL INFORMATION

Languages: Vietnamese (Native), English (Professional Working)