

NITHIWUT WILAINUCH

Senior Software Engineer / Squad Lead

Bangkok, Thailand

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Professional Summary

Senior Software Engineer with 5+ years of experience building scalable backend systems in banking and startup environments. Currently working at ttb bank on a used-car marketplace platform, responsible for seller onboarding, vehicle inspection workflows, and internal administration systems. Experienced in Java Spring Boot, AWS cloud services, asynchronous workflows, CI/CD pipelines, Kubernetes environments, and production support, with a strong focus on system reliability, scalable API development, and cross-functional collaboration.

Technical Skills

Languages: Java (11–21), Python, Typescript

Backend & Frameworks: Spring Boot, Django, Nodejs

Cloud & DevOps: AWS (Lambda, API Gateway, S3, SQS, Aurora), Docker, Jenkins, GitLab CI/CD, Kubernetes

Databases & Search: MySQL, PostgreSQL, Redis, Elasticsearch

Frontend: React, Next.js

Professional Experience

Senior Software Engineer

ttb bank — Bangkok

Apr 2023 – Present

- Developed backend services for a used-car marketplace platform, allowing users to list and browse vehicles through a public website
- Designed and implemented seller onboarding workflows, including seller information submission and verification processes
- Implemented vehicle inspection workflows required before cars can be published on the platform
- Built and maintained RESTful APIs supporting car listing, inspection status, and seller-related operations
- Developed internal administration systems for managing marketing configurations, banners, and platform content settings
- Improved search performance and user experience using Redis caching and Elasticsearch indexing
- Implemented asynchronous workflows using AWS SQS for background task processing and workflow handling
- Supported production systems in Kubernetes environments, including monitoring services, investigating issues, and troubleshooting deployments
- Coordinated with business and operations teams to support campaign configurations and platform enhancements
- Investigated production issues, identified root causes, and applied fixes to improve system stability and reliability

- Worked with CI/CD pipelines and deployment processes to release changes across multiple environments

Software Engineer

Purple Ventures Company Limited — Bangkok

May 2021 – Mar 2023

- Developed backend services using Java, Python, and AWS Serverless technologies
- Delivered multiple features across several production software releases
- Migrated deployment workflows from manual zip-based deployment to automated CI/CD pipelines
- Containerized services using Docker and Jenkins pipelines
- Developed internal promotion code verification services used by call center teams
- Collaborated with data teams to build reporting services and automated email reporting systems
- Supported production systems and collaborated with cross-functional teams to resolve operational issues

Backend Developer

Institute of Public Policy and Development — Bangkok

Jun 2020 – Apr 2021

- Developed backend services using Django and PostgreSQL
- Built frontend components using React and Next.js based on UI/UX designs
- Worked on ETL-related tasks and maintained data pipelines
- Coordinated with team members to ensure data accuracy and system stability

Leadership and Team Contribution

- Supported backend technical leadership within the squad, contributing to technical discussions, delivery coordination, and production support activities
- Reviewed code and provided feedback to improve code quality and engineering consistency
- Helped onboard new team members by explaining system architecture, development workflows, and project setup
- Collaborated with business and operations teams to clarify requirements and system behavior

Education

Bachelor of Engineering (Computer Engineering)

Chulalongkorn University — Bangkok

Senior Project: License Plate Recognition Using Deep Learning

- Prepared and labeled image datasets for license plate detection model training
- Implemented license plate detection using YOLO with transfer learning techniques
- Built a recognition pipeline using Python and Keras
- Deployed the service on Google Cloud Run using container-based deployment