

# Nuttapat Pothavichai

Bangkok, Thailand | Open to fully remote job

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## PROFESSIONAL SUMMARY

Full-stack Software Engineer and System Architect with 2+ years delivering enterprise banking and insurance platforms in Java and Spring Boot. Experienced in designing 40+ API integrations, optimizing high-volume batch processing, leading cross-functional delivery across QA, business, and client teams, and managing production systems end-to-end. Open to fully remote roles in fintech, insurtech, or enterprise software.

## SKILLS

**Programming Languages:** Java, JavaScript (TypeScript), SQL

**Frameworks & Backend:** Spring Boot, NestJS, Next.js, React.js, Hibernate, JPA

**Databases:** PostgreSQL, MySQL, Relational DB (High Volume), Batch Processing

**Cloud & DevOps:** Microsoft Azure (AZ-900), Docker, Jenkins, CI/CD Pipelines, GitHub Actions, GitLab CI

**Architecture & Design:** Microservices, RESTful API Design, System Architecture, Batch Processing (High Volume)

**Certification:** Microsoft Certified: Azure Fundamentals (AZ-900) — March 2026

## EDUCATION

**King Mongkut's University of Technology Thonburi**

*M.Sc. in Software Engineering for Data Science*

Bangkok, Thailand

June 2022 – June 2024

**Chiang Mai University**

*B.Eng. in Mechanical Engineering*

Chiang Mai, Thailand

June 2013 – June 2016

## PROFESSIONAL EXPERIENCE

**System Architect**

*Craft iTech Co., Ltd. (Bangkok, TH)*

Aug 2025 – Present

Promoted from Software Developer to lead solution design, system integration, and cross-functional coordination for enterprise banking clients.

- Architected 40+ API integrations spanning insurance policy retrieval, premium calculation, payment processing, and auto-debit enrollment — covering the full customer journey from quote to confirmed purchase
- Proposed microservices-based system flows reviewed and approved by bank IT architects, covering REST APIs, batch processing, and deep link integrations
- Designed application flows for payment processing and insurance policy purchase, translating complex banking business rules into technical specifications
- Presented solution designs directly to banking IT stakeholders, covering integration boundaries, security posture, and delivery scope
- Acted as technical bridge across QA, business unit, penetration testing, and client teams — coordinating across multiple workstreams while balancing design and coding responsibilities
- Led defect triage during UAT: investigated root causes, rejected out-of-scope defects with documented justification, and proposed alternative solutions to reduce rework
- Investigated and resolved performance test failures by isolating API bottlenecks through log analysis and RAM scaling experiments, restoring system stability under load
- Managed production deployments end-to-end including pod health monitoring, live client support, and issue resolution
- Coordinated a team of 3–4 engineers, assigning tasks and ensuring implementation stayed aligned with approved design

- Supported SIT, UAT, and performance testing for up to ~50 concurrent users; investigated and resolved timeout and integration failures
- Optimized CI/CD pipelines with GitLab CI, automating testing, builds, and deployment — eliminating manual work and reducing deployment time

**Software Developer**                      *Craft iTech Co., Ltd. (Bangkok, TH)*                      June 2024 – July 2025

- Processed complete daily policy portfolios (~40 GB/day) for all corporate customers via scheduled batch jobs using Java, Spring Boot, Hibernate, and PostgreSQL — computing real-time policy status to drive payment due notifications
- Built backend services in Java and Spring Boot integrated with React / Next.js frontend for a corporate banking platform
- Contributed to system and database schema design to support high data volume, complex joins, and long-running batch processes without impacting online users
- Delivered accurate payment due alerts to corporate customers within the banking app, ensuring timely premium payments and reducing policy lapse risk

**R&D Engineer**                              *Mitsubishi Motors (Thailand) Co., Ltd.*                              Jan 2019 – Apr 2023

*Prior to career transition into software engineering.*

## PROJECTS

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**PM2.5 AQI Notification & Forecast System:** [github.com/nuttapatp/Api-shortpaper](https://github.com/nuttapatp/Api-shortpaper)

- Built 3-service microservice architecture (Spring Boot × 2, Next.js) deployed on Render with CI/CD via GitHub Actions
- Integrated Claude AI (Haiku) for intent classification and Thai-language AQI forecast analysis from 24h BigQuery data
- Designed hourly data pipeline: OpenWeatherMap → Google BigQuery (historical + forecast AQI)
- Delivered real-time AQI alerts via LINE Messaging API with personalized health profile support
- Implemented live map dashboard with Server-Sent Events (SSE), API key auth, and rate limiting