

Kittipoom Malaikritsanachalee

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SKILLS

Core: Python, JavaScript, TypeScript, Java, Go, SQL

Frontend: ReactJS, Next.js, TailwindCSS, Shadcn, Material UI

Backend: Node.js, NestJS, TypeORM, Prisma, Spring Boot, FastAPI, SQLAlchemy, PostgreSQL, MongoDB, Redis

Data Science: Machine Learning, Scikit-learn, PyTorch, RapidMiner

Others: LangChain, Docker, Google Cloud Platform, CI/CD, Git, GitHub, GitHub Actions, Postman, Figma

WORK EXPERIENCE

IBM: Application Developer Intern

05/2025 – 08/2025

- Designed and developed the Service Details API for ConnectX, an enterprise self-service portal for managing network ports and VXC connections.
- Improved query performance by profiling slow endpoints with SQL EXPLAIN, restructuring TypeORM joins, and adding indexes on hot-path columns.
- Collaborated with product stakeholders to refine API specifications and delivered backend updates consistently across agile sprints with fast turnaround.
- Built a database seed script to load ~1,000 rows from structured .xlsx files into PostgreSQL — initially in Python, then migrated to JavaScript for codebase alignment.

PROJECT EXPERIENCE

AI-Powered Financial Assistant | Senior Project

04/2026

- Built a mobile-first Next.js/FastAPI app targeting Thai Gen Z users, featuring budget tracking, analytics, and automated CI/CD deployed to Railway, Neon, and Vercel.
- Leveraged Gemini API for OCR and auto-categorization of Thai bank transfer slips into user-defined categories.
- Architected a secure PostgreSQL backend with JWT auth, Alembic migrations, and OWASP-aligned input validation.

Go RSS Aggregator | Individual project (self-initiated)

04/2026

- Built a Go RSS feed aggregator with a concurrent goroutine worker pool for real-time feed scraping.
- Engineered a type-safe query layer hand-written with pgx/v5 — no ORM, with versioned schema management via golang-migrate.
- Implemented JWT auth with per-IP rate-limited login and a demo account with 24-hour auto-reset.

E-Commerce Backend API | Individual project (self-initiated)

02/2026

- Architected a RESTful e-commerce backend in Spring Boot, featuring automated testing and Docker deployment via a GitHub Actions CI/CD pipeline.
- Implemented secure, stateless JWT authentication with token blacklisting and engineered a Redis-backed transient shopping cart.
- Designed PostgreSQL schemas using Flyway migrations and applied the Strategy design pattern to build a flexible, multi-provider payment processing system.

EDUCATION

Chulalongkorn University | Bangkok, Thailand

08/2022 - 05/2026

B.S. Computer Science | Cumulative GPA: 3.27/4.00

Relevant Coursework: Object-Oriented Programming, Data Structures & Algorithms, Database Systems, Operating Systems, Machine Learning, Computer Vision, Quantum Computation