Ritthikrai Khetthongkam

Full-Stack Developer · SaaS · Modular & Microservice Architecture

Location: Bangkok, Thailand

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Summary

Full-Stack Developer with three years of experience designing and building production systems for client projects and in-house products, including human resources management (HRM), point-of-sale (POS), attendance, and corporate websites. Skilled in SaaS delivery, modular and microservice architecture, and TypeScript with Next.js and NestJS. I focus on clean, reliable systems that meet business goals directly, with end-to-end ownership from start to finish and software teams can maintain and extend over the long term.

Experience

Freelance Full-Stack Developer — Independent

2023 — Present · Thailand

- Designed and shipped client HRM and POS SaaS systems with modular architecture, Next.js, NestJS, MongoDB, and Redis.
- Delivered company profile sites including www.mtes.co.th and www.admine-energy.com.
- Delivered Attendance Check-in (workawhere.com) with Clean Architecture, TDD, and event-driven APIs.
- Architected client HRM and POS SaaS systems with DDD, microservices, Docker, and Google Cloud Platform.
- Built production company profile websites for MTES and Admine Energy.

Service Engineer — MT Engineering Solution (outsource · Thai Namthip)

2019 — 2023 · Thailand

- Installed equipment on-site and maintained data-collection hardware on Coca-Cola vending machines for Thai Namthip.
- Built a data-collection application for field operations, delivered as outsourced work under MT Engineering Solution.

Manufacturing operations — AutoAlliance (Thailand) Co., Ltd.

— 2019 · Rayong, Thailand

- Worked at the Ford–Mazda joint-venture vehicle manufacturing plant in Rayong province.

Skills

• Frontend

React, Next.js, TypeScript, Tailwind CSS, Framer Motion, React Hook Form, Zod, Redux

• Backend

Node.js, NestJS, Express, TypeScript, PostgreSQL, MongoDB, Redis, Kafka

• Architecture

Domain-Driven Design, CQRS, Event Sourcing, Outbox Pattern, Modular Monolith, Event-driven Architecture, Clean Architecture, Microservices

• Platform Engineering

Cloud Native Architecture, Infrastructure as Code (IaC), Terraform, Terragrunt, Kubernetes, Helm, GCP, Google Cloud Run, Cloudflare, GitHub Actions, Semantic Release

Education

• Bachelor of Engineering, Electrical Engineering — University of the Thai Chamber of Commerce (UTCC) (2019 — 2022)

• Higher Vocational Certificate, Industrial Technician — Eastern Technology College (E.Tech) (2016 — 2018)

Languages

• Thai — Native

• English

- Reading: Working proficiency
- Writing: Working proficiency
- Speaking: Basic conversational