

RATCHANON KULPATRAKORN

FULL-STACK DEVELOPER

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SUMMARY

I am a Full-Stack Developer with hands-on experience building real-world web applications across frontend, backend, database, testing, deployment, and system operations. I adapt quickly to new technologies, tools, and project requirements, with a strong focus on writing maintainable code, designing reliable APIs, and delivering practical software solutions that can be used and maintained in real environments.

WORK EXPERIENCE

Full-Stack Developer Intern | P Pella Company Limited Nov 2025 - Mar 2026

- Owned the end-to-end development of an aquaculture management platform for a Betagro-Kasetsart University research initiative, transforming fragmented manual workflows into a unified system, through responsive frontend interfaces and dashboard workflows using Next.js.
- Engineered a scalable backend architecture with Express.js, TypeScript, PostgreSQL, and Prisma, improving type integrity, data consistency, and overall system reliability.
- Established a robust automated testing strategy with Jest, driving coverage beyond 95% and improving software quality through earlier identification of critical defects prior to production rollout.
- Oversaw production deployment and runtime operations on Ubuntu infrastructure with Nginx reverse proxy and PM2 process management, maintaining 99.9% uptime and dependable service continuity.

Teaching Assistant - Basic Engineering Programming | Prince of Songkla University Jun 2025 - Nov 2025

- Mentored 60+ first-year students in Python programming labs, translating fundamental concepts into practical guidance for debugging, code structure, and problem-solving.
- Evaluated lab assignments with a focus on functional correctness, code quality, and solution logic, providing actionable feedback to help students improve their programming discipline.

IT Developer Intern | The Old Phuket Karon Beach Resort Mar 2025 - Jun 2025

- Developed a serverless event operations platform using Google Apps Script for a 300+ attendee regional IT seminar, replacing manual check-in with a QR-based self-service system. Improving registration throughput and securing 96% positive user satisfaction in post-event feedback.
- Implemented an Applicant Tracking System using Next.js and NestJS to centralize applicant data and job posting workflows, enabling HR to manage recruitment processes more efficiently and systematically.
- Maintained high-availability local network and IT infrastructure through routine system monitoring, rapidly resolving software and connectivity issues across internal and guest-facing services.

EDUCATION

- Bachelor of Engineering in Computer Engineering 2022 - 2026
Prince of Songkla University | GPA 3.38 | Second Class Honors
- High School Diploma in SMTE Program 2019 - 2022
Sadao Kanchai School | GPA 3.96 | Ranked 1st in the graduating class

TECHNICAL SKILLS

- Programming Languages:** TypeScript, JavaScript, C, C++, C#, Dart, Python, R, PHP
- Frontend:** React, Next.js, Flutter, React Native, Tailwind CSS, Framer Motion, Responsive Web Design
- Backend:** Node.js, Express, NestJS, ASP.NET, FastAPI, Strapi, Firebase, Google Apps Script, Microservices
- Databases:** PostgreSQL, MySQL, SQLite, MongoDB, Firestore, Redis, Prisma ORM
- DevOps:** Docker, Kubernetes, Jenkins, GitHub Actions, Vercel, Render, AWS, GCP, Linux, Nginx, Apache
- Testing:** Jest, Pytest, SonarQube, Playwright, Locust, Postman, Supertest, Swagger, ReDoc
- Languages:** Thai (Native), English (Working Proficiency; TOEIC mock ~800).