

Aekkarat Fontong

SOFTWARE ENGINEER · FULL-STACK (REACT NATIVE · NODE.JS · SPRING BOOT)

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Portfolio: portfolio-zeta-gilt-mm7bxjobci.vercel.app/about



PROFESSIONAL SUMMARY

Software engineer who builds and deploys production full-stack apps with React Native, Node.js, Spring Boot, and PostgreSQL. Strong in REST API design, authentication, automated testing, and CI/CD on Linux — 500+ automated tests across four projects, every release gated by a green build. I own the full lifecycle from design to production and use AI as a productivity tool while keeping full ownership of technical decisions and code quality.

PROJECT EXPERIENCE

AiKlao — Real-Time Group Trip-Tracking Platform

Full-Stack Developer — Mobile + Backend + DevOps · 2025–Present

- › Shipped a public Android app (React Native / Expo, TypeScript) via EAS Build to GitHub Releases, installable by anyone with a LINE account.
- › Built the Node.js/Express + PostgreSQL REST backend with LINE Login (OAuth 2.0 + PKCE), JWT, route-level authorization, and a concurrency-safe SOS path.
- › Wrote 300+ automated tests (Jest + JUnit 5 / Mockito / MockMvc) across the app and services, then ported the backend to Spring Boot 3.3 / Java 21.
- › Deployed via GitHub Actions CI/CD (PM2, nginx) on an Ubuntu VPS, with typecheck + tests gating every release.

PROJECTS

Tiger Kick — Server-Authoritative Multiplayer Game

Godot 4.7 · GDScript · host-authoritative networking

- › Designed a review-gated development process for a server-authoritative multiplayer game (Godot 4.7) — Kanban backlog, mandatory code review, per-phase QA exit gates, and a CI test/smoke gate — owning the architecture and setting the quality bar, with an AI-assisted multi-agent workflow executing against it.

Typing Race — Real-Time Multiplayer Web App

React · TypeScript · Socket.IO · Node.js · PostgreSQL

- › Built a server-authoritative real-time multiplayer typing game (React + TS; Node + Socket.IO) with anti-cheat, a PostgreSQL leaderboard, 60 tests (~99% game-core coverage), and a CI deploy gate.

JPD School-Student Registration API

Spring Boot 3 · PostgreSQL · Spring Security

- › Built a secured Spring Boot 3 REST API (layered + DTO) with JWT/BCrypt role-based access, validation, pagination, versioning, and 25 tests (Mockito + MockMvc).

PRIOR EXPERIENCE

Police Officer — Phahonyothin Police Station, Royal Thai Police

Jan 2022 — Jun 2026 · Full-time for 4.5 years while self-teaching software and building the projects above; resigned to move into software engineering.

EDUCATION & TRAINING

B.Sc. in Computer Science — Sukhothai Thammathirat Open University

Graduated 2026

42 Bangkok @ KMITL — Software Engineering Cadet (École 42 Network)

Nov 2024 — Present · C programming, Linux systems, algorithms, peer code review

TECHNICAL SKILLS

Mobile & Frontend

React Native, Expo, React, Vite, React Navigation, REST clients (axios)

Backend

Node.js, Express, Socket.IO / WebSockets, Spring Boot 3 (Web, Data JPA, Security, Validation), REST API design

Auth & Database

JWT, OAuth 2.0 / PKCE, Spring Security, BCrypt, RBAC · PostgreSQL, raw SQL, Spring Data JPA / Hibernate, migrations, indexing

DevOps & Testing

Git, GitHub Actions (CI/CD), Maven, nginx, Docker, PM2, Linux/VPS (Ubuntu), EAS Build · Jest, JUnit 5, Mockito, Spring MockMvc, Supertest, H2

Languages

JavaScript, TypeScript, Java, SQL, C

LANGUAGES

Thai — Native

English — Working

PORTFOLIO

Portfolio (website) — portfolio-zeta-gilt-mm7bxjobci.vercel.app/about

GitHub — github.com/JodPdo

LinkedIn — linkedin.com/in/aekkarut-fontong

AiKlao (app) — github.com/JodPdo/aiklao-mobile

AiKlao (APK) — github.com/JodPdo/aiklao-mobile/releases/latest

AiKlao (backend) — github.com/JodPdo/demo_app_ai_klao_mb

Typing Race (live) — race.aiklaotrip.com

Typing Race (code) — github.com/JodPdo/typing-race

Tiger Kick (code) — github.com/JodPdo/tiger-kick-game

CERTIFICATIONS

Postman Academy — API Testing, API Prototyping & API Documentation

Anthropic Academy — Claude 101, Claude Code in Action & Introduction to MCP