




KEANE PUTRA SETIAWAN

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Work Experience

- Glad Cube

Jul 2023 – Present

Software Development Engineer

Osaka, Japan

- Played a pivotal role in the strategic migration of the core API from **Express.js** to **Fastify**, contributing to a **35% improvement** in API response times and higher throughput
- Was a key contributor to the full migration of a **20,000-line JavaScript codebase** to **TypeScript**, enhancing type-safety, improving developer experience, and catching **50+ potential bugs** pre-production
- Owned the end-to-end development of a key collaboration project with a radio broadcasting client, single-handedly building the full-stack application (both **frontend and backend**) to meet all client specifications
- Conducted comprehensive load testing (using **locust**) to identify and eliminate API bottlenecks, ensuring **99.9% uptime** during peak traffic events
- Engineered a hybrid rendering model for the company's main site, implementing **Server-Side Rendering (SSR)** for fast, SEO-friendly landing pages and **Client-Side Rendering (CSR)** for dynamic, interactive user dashboards

Projects

Recipify - Social Recipe Platform | *recipify.keaneseitiawan.com* **Next.js** | **Fastify** | **AWS Lambda** | **PostgreSQL**

- Architected full-stack, cloud-native recipe platform achieving **99 Lighthouse Performance score**
- Designed scalable v2 architecture with **microservices**, **SQS image processing**, and **ElastiCache** for sub-10ms queries
- Optimized image delivery via **CloudFront CDN**, reducing latency from 2-3s to **under 300ms**

ChefGPT - AI Recipe Generator | *chefgpt.keaneseitiawan.com* **Next.js** | **OpenRouter** | **DynamoDB** | **AWS Amplify**

- Built AI-powered recipe generator using **OpenRouter API** with **multiple LLM models** (GPT-4, Claude, Gemini)
- Implemented cost-effective architecture achieving **\$1.40/month** for 100 MAU through rate limiting and quota management
- Integrated **Clerk authentication** and **DynamoDB** with TTL for automatic rate limit cleanup

AWS Cloud Practitioner Quiz App | *Website*

React | **TypeScript** | **Tailwind CSS**

- Built interactive quiz app with **500+ practice questions** for AWS certification exam preparation

Technical Skills

Frontend: React, Next.js, TypeScript, JavaScript, HTML5, CSS3, Tailwind CSS, Framer Motion

Backend: Node.js, TypeScript, Express.js, Fastify, REST APIs, JWT Authentication, SQL

Database: PostgreSQL, MySQL, DynamoDB (NoSQL), Redis, Prisma ORM, Supabase

Cloud & DevOps: AWS (Lambda, S3, DynamoDB, CloudFront, SES, EC2, IAM, Route 53, Amplify), Vercel, Docker, Git, GitHub Actions

Education

Asia Pacific University of Technology and Innovation (APU / APIIT)

Graduated: 2022

Bachelor of Information Technology, Internet of Things — CGPA: 3.70/4.00

Kuala Lumpur, Malaysia

Certifications & Languages

AWS Certified Cloud Practitioner | *Credly Badge*

2025

- Validated cloud knowledge across AWS services, architecture, and security; built React quiz app for exam prep

JLPT N2 - Japanese Language Proficiency Test

2024

- Business-level Japanese proficiency — Test Scores: Vocabulary/Grammar (46/60), Reading (36/60), Listening (**60/60**)

Languages

English (Native) — Japanese (Business Proficient - JLPT N2) — Indonesian (Native)