

# KIM JULONGBAYAN

Full Stack Developer | AI Developer | Backend Systems

Quezon City, Metro Manila, Philippines | kljulongbayan@gmail.com | +63 961 529 9305

Portfolio: [kimlj.dev](https://kimlj.dev) | GitHub: [github.com/kimlj](https://github.com/kimlj) | LinkedIn: [linkedin.com/in/kimjulongbayan](https://linkedin.com/in/kimjulongbayan)

## PROFESSIONAL SUMMARY

- Full Stack Engineer with 5+ years of on-and-off experience building independent projects - scalable web, mobile, and AI-integrated systems.
- Specialized in LLM integration, real-time WebSocket systems, Dockerized cloud deployments, and CI/CD automation.
- Hands of experience with end-to-end system architecture, backend performance optimization, and production infrastructure.

## TECHNICAL SKILLS

- JavaScript, TypeScript, Python | React, React Native, Next.js | Node.js, Express | PostgreSQL | REST APIs
- LLM Integration (Claude, GPT), Stable Diffusion, ComfyUI, Prompt Engineering, AI Workflow Automation
- Docker, CI/CD, Google Cloud, Linux VPS, Nginx, Git

## PROJECTS

### [WordWarz.io](#) - Real-Time Multiplayer Game with AI Bot System

- Architected full-stack web and mobile game (React Native, Node.js) with WebSocket multiplayer backend (sub-100ms latency) serving 10+ active users on web, iOS, and Android.
- Designed multi-tier AI bot system with ELO-based matchmaking and dynamic difficulty scaling.
- Implemented constraint-based Wordle solver and entropy-driven guess selection for intelligent gameplay.
- Built automated ComfyUI pipelines generating 60+ AI assets, reducing manual creation time by 60%.
- Containerized backend with Docker; deployed on Linux VPS with Nginx, SSL, and zero-downtime releases.

### [RecodeAI](#) - AI-Powered Website Redesigner

- Built full-stack Next.js tool that crawls any website, analyzes brand identity via Claude API, generates a complete redesign, and auto-deploys to Netlify - all streamed in real time via SSE
- Engineered chained LLM inference pipeline with structured output parsing and multi-file code generation.

### **Job Email Watcher** - AI Job Alert Automation Pipeline

- Built end-to-end n8n job alert pipeline automating Gmail extraction, GPT-4o resume scoring with hybrid AI + code salary algorithm, Google Sheets logging, and Telegram notifications

### [Casinore.io](#) - Blockchain DApp (Solana)

- Developed React/Next.js decentralized application with wallet authentication and on-chain transactions.
- Deployed Dockerized infrastructure on Google Cloud and VPS with automated CI/CD pipelines.

## EXPERIENCE

### **Independent Full Stack Engineer | 2018 – Present**

- Self-directed development of independent projects across frontend, backend, and database layers.
- Built REST APIs and real-time systems; optimized database queries and backend performance.
- Managed Docker containers, Linux VPS infrastructure, and CI/CD deployment workflows.

## EDUCATION

- Bachelor of Science in Information Technology — AMA Computer College Makati, 2025