

JANPOL HIDALGO

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SKILLS

Languages: TypeScript, Python, Go, Java

Frameworks & Libraries: React.js, Next.js, Vue.js, Nuxt, Svelte, TanStack/React Query

Backend: NestJS, Spring Boot, Convex, Express.js, Node.js, Hono, FastAPI, Supabase, Redis

Database: PostgreSQL, MySQL, Snowflake, MongoDB

Tools & Platforms: OpenAI, Claude, Jupyter Notebook, Vercel, Postman, Cloudflare Workers

DevOps: Docker, Cloud Build, GitHub Actions, GitLab, Podman

EXPERIENCE

Backend Developer

K92

Dec 2024 – Apr 2025

Quezon City, Philippines

Tech Stack: NestJS · Redis · PostgreSQL · React Native · Jira

- Built and shipped the backend for K92's paint-product mobile application, designing 20+ RESTful APIs serving 1,000+ products, media, and color categories. Optimized database queries and API performance to maintain synchronized product data, support high-traffic requests, and ensure 90%+ service availability across frequent catalog updates.
- Reduced average API response times by 20% through Redis caching and Docker containerization for consistent deployments. Collaborated with mobile developers and stakeholders in Agile Scrum to deliver 10+ production-ready features, writing clean, scalable, maintainable backend services following industry best practices and coding standards.

Information Systems Analyst I

Philippine Statistics Authority

Jun 2026 – Present

Quezon City, Philippines

Tech Stack: Java 25 · Spring Boot 4 · Spring Modulith · Spring Security (OAuth2/OIDC) · Spring Data JDBС · PostgreSQL · Redis/Valkey · gRPC · Flyway · Resilience4j · JobRunr · AWS S3/SeaweedFS · Docker · Nuxt/Vue

- Developed The Solemnizing Officer Information System (SOIS), a full-stack government platform that digitized the paper-based application and accreditation process, replacing manual workflows with a centralized, auditable system used by authorized civil-registration personnel nationwide, significantly improving efficiency across multiple regions.
- Own end-to-end system architecture, API design, and data modeling, collaborating with CRMD and ITDS stakeholders to translate regulatory requirements into a scalable, modular platform secured with OAuth2/OIDC, Resilience4j circuit breakers, and role-based access control, following enterprise-grade software engineering standards and guidelines.
- Engineered the migration of 200K+ civil-registration records (1956–present) by designing ETL pipelines for data cleansing, validation, normalization, and integrity verification, achieving zero verified data loss with complete audit logging, improved search performance, and automated data reconciliation across legacy systems for compliance.

PROJECTS

Tandaan.AI — AI Web Application (Next.js, Liveblocks, Cloudflare, Clerk, Firebase, Vercel)

- Built a Google Docs–style collaborative note-taking app with real-time multi-user editing — live presence, shared selections, and conflict-free concurrent edits — by integrating Liveblocks into a Next.js front end using TypeScript.
- Embedded an AI layer (note summarization, edit suggestions, content generation) via serverless Cloudflare Workers, with Clerk authentication and Firebase real-time storage enabling secure, synchronized multi-device access tested with 10 concurrent users editing the same document under simulated production workloads, maintaining data consistency.

Gitflowy — TUI Application (Go, Bubble Tea, WebSocket, Ollama, Claude AI)

- Built a terminal-UI tool automating the full GitFlow branching model (feature, release, hotfix) into single-keystroke actions with PR-template generation, and integrated local (Ollama) and hosted (Claude) models for commit-message generation, merge-conflict detection, and natural-language diff explanations for improved developer productivity.
- Engineered a modular six-package architecture (git, gitflow, tui, ai, realtime, config) with 30+ unit tests and real-time WebSocket broadcasting that keeps state synchronized across processes and connected IDEs with low latency.

AI Career Assistant (AICA) — RAG Web Application (Next.js, Python, Supabase, FAISS, Firecrawl, Claude Sonnet 3.5)

- Built a retrieval-augmented platform that matches user skills to job postings by scoring the specific tech stack and tools named in each job description, using vector embeddings and a FAISS index for low-latency similarity search, fed by a Firecrawl pipeline that structures unstructured postings for downstream processing at enterprise scale efficiently.
- Integrated Claude Sonnet 3.5 to extract structured requirements from raw job descriptions and generate tailored career recommendations and skill-gap suggestions for tech students through intelligent resume analysis and career guidance.

EDUCATION

B.S. in Computer Science, Major in Game Development

University of St. La Salle – Bacolod

Aug 2022 – Apr 2026

Bacolod City, Philippines