

DAN RANIEL PIRANTE

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TECHNICAL SKILLS

Backend & Databases: Node.js, Express, FastAPI, Spring Boot, Prisma ORM, PostgreSQL, MySQL, MongoDB, ClickHouse, Redis

Cloud & DevOps: AWS (EC2, S3, IAM), Docker, nginx, GitHub Actions CI/CD, Let's Encrypt/TLS, Kafka, Grafana

AI, Tools & Integrations: LLM Integration (Anthropic/OpenAI APIs, Ollama), Prompt Engineering, Git/GitHub, SendGrid, PayMongo, GraphQL

Languages & Frameworks: React, Next.js, Vue.js, TypeScript, React Native, TailwindCSS, Framer Motion

EXPERIENCE

Full Stack Developer Intern • S.P. Madrid & Associates Philippines

Feb 2026 – June 2026

- Co-built a loan reminder email system dispatching millions of emails daily; designed the pipeline to sustain burst loads with zero downtime and zero message loss (see Bulk Email Blasting Platform below)
- Integrated an AI-powered review layer that auto-graded email subject lines and body copy before dispatch, cutting poor-quality sends without requiring manual review
- Set up real-time monitoring and alerting dashboards (Grafana), giving the team visibility into throughput and cutting incident response time by surfacing anomalies before they affected delivery

Software Developer • Freelance Remote

June 2023 – Present

- Designed and delivered end-to-end software solutions for clients across e-commerce, retail, and service businesses, owning projects from architecture through deployment
- Built unified commerce systems consolidating in-store POS and online sales into a single platform, eliminating double-entry and cutting reconciliation overhead for clients from hours to minutes per cycle
- Automated inventory synchronization across physical and digital storefronts, removing manual stock updates and significantly reducing time spent on inventory management
- Integrated AI-powered features into client projects, using LLMs to automate content generation, data processing, and quality evaluation workflows

PROJECTS

Retailer: AI Resume Tailoring Web App

2026 – Present

- Built a full-stack web app that tailors resumes to specific job postings via Azure AI Foundry (GPT-5 mini), with a FastAPI backend and Next.js frontend, including resume parsing, job description analysis, and a side-by-side review step showing every change before download
- Designed a grounding/evaluation layer so tailored output stays factually accurate to the original resume, avoiding fabricated experience
- Deployed and maintain production infrastructure on AWS EC2 with Docker, an nginx reverse proxy, TLS via Let's Encrypt, and automated CI/CD (GitHub Actions building and pushing images to GitHub Container Registry, auto-deploying on push to main)
- Configured S3 for exported files with lifecycle-based auto-deletion and IAM-scoped access, plus CORS-restricted API access between frontend and backend

Mayormoto E-Commerce Website w/ POS

Jan 2025 – Jan 2026

- Designed and built a full-stack retail platform unifying in-store and online sales under a single system, eliminating the operational split between physical and digital channels
- Built real-time inventory management tools and a complete admin suite for sales analytics, order fulfillment, and inventory oversight

Bulk Email Blasting Platform (Loan Reminder System)

Feb 2026 – June 2026

- Built a production bulk email platform (FastAPI, Celery, Redis, ClickHouse, gevent) dispatching millions of loan reminder emails daily with bloom-filter deduplication to prevent redundant sends
- Optimized ClickHouse queries with bloom-filter indexing and an argMax GROUP BY pattern, and redesigned the watchdog loop to fix a Redis connection-pooling regression and a cache-stampede bug, stabilizing throughput under burst loads
- Built the frontend multi-step blast wizard and monitoring dashboards (React/Tailwind), and drove CI diff-coverage up to an 80% threshold

Local AI Inference & RAG Pipeline

In Progress

- Building a local, self-hosted AI inference and retrieval-augmented generation pipeline using Ollama, integrating a vector store (Chroma/Qdrant) for document retrieval
- Evaluating model-size tradeoffs and VPS/Docker deployment strategies for cost-effective self-hosted inference

EDUCATION

Cavite State University – Cavite City Campus

September 2022 – June 2026

Bachelor of Science in Information Technology