

GERALD L. PEREZ

AI Automation, Full-Stack Dev & Creative Design
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EXECUTIVE SUMMARY

Detail-oriented Full-Stack Developer with expertise in engineering custom web applications and designing automated system solutions. Skilled in building reliable software from scratch, integrating modern tech stacks, and utilizing AI automation to optimize digital workflows and solve complex technical challenges.

EXPERIENCES

Schools Division Office of Manila | Internship (486 Hours)

Full-Stack Developer & Systems Engineer (February 2026 – May 2026)

- **Project Link:** hrd-project-blond.vercel.app
- Architected a centralized Human Resource Development (HRD) management portal using Next.js, TypeScript, and PostgreSQL (Supabase) to digitize administrative workflows, improving data accessibility and system efficiency.
- Integrated Prisma ORM for database modeling and utilized NextAuth.js alongside Bcrypt to establish secure, role-based user authentication and session management.
- Implemented Tailwind CSS for fully responsive UI components and optimized remote data fetching and caching states using SWR.
- Collaborated within an agile team to plan feature roadmaps, utilizing Hono for high-performance API routes and React Turnstile for automated bot protection.

Fukushimart Convenience Store | Academic Project (Capstone)

Full-Stack Developer (September 2025 – December 2025)

- **Project Link:** fukushimart-convenience-store.web.app
- Developed a responsive full-stack e-commerce and analytics application using Next.js for the frontend and a data-driven Python (Fast API) backend.
- Engineered an automated forecasting brain using Pandas, NumPy, and pmdarima (Auto-ARIMA) to process historical sales data and render predictive analytics via Chart.js.
- Restructured data storage by migrating Firebase Cloud Firestore, leveraging Firebase Authentication for secure admin dashboards and Cloud Functions for automated daily low-stock email alerts.
- Manage cross-functional deployment pipelines across Firebase Hosting and Render, utilizing Git/GitHub for continuous version control.

KEY SKILLS

- **Programming & Web Development:** JavaScript (React.js, Next.js, Node.js), TypeScript, Python (FastAPI), PHP, Java, C++, HTML5, CSS3 (Tailwind CSS, MUI), SQL (MySQL, PostgreSQL), NoSQL (Firebase Firestore), RESTful APIs.
- **Data Science & Analytics:** Pandas, NumPy, pmdarima (Auto-ARIMA), Chart.js, Prisma ORM.
- **Automation & Tools:** Workflow orchestration (n8n, Zapier, Cloud Functions, Resend/Nodemailer, NextAuth.js, Git/GitHub, Microsoft Excel, Basic Trouble Shooting

EDUCATION

Universidad de Manila	2022 - 2026
Bachelor of Science in Information Technology with Specialization in Data Science	Cum Laude
Pamantasan ng Lungsod ng Maynila	2020 - 2022
Bachelor of Science in Computer Science	
Philippine Christian University	2018 – 2020
Information and Communication Technology	With Honors