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PROFESSIONAL SUMMARY

AI Engineer and Full-Stack Developer specializing in LLM-powered systems, intelligent automation, and scalable web applications. Experienced in building advanced RAG pipelines, multi-modal document ingestion systems, and AI-driven products using vector databases, embeddings, OCR, and modern developer tooling. Strong background in TypeScript, Python, Supabase, and cloud-native architectures. Passionate about designing reliable AI systems that solve real business problems.

EDUCATION

Bachelor of Science in Computer Science - Central Philippine University, Iloilo City, Philippines (**2021-2025**)

EXPERIENCE

AI Engineer – Zaigo (October 2025 - Present)

- Build production-grade AI systems powered by LLMs, RAG pipelines, and multi-modal document processing.
- Develop ingestion pipelines: PDF/Excel → OCR → Markdown → structured JSON → embeddings → Pinecone.
- Implement RAG workflows using LangChain, Mastra, Supabase, vector search, and custom TypeScript workers.
- Integrate Airbyte, n8n, S3, and DataLab for multi-modal data extraction and automated analysis.
- Create backend APIs, system prompts (with page attribution), and AI-driven analysis tools for internal teams.

Backend Developer Intern – Department of Budget and Management Central Office (February 2025 - May 2025)

- Contributed to backend development under the **Information and Communications Technology Systems Service (ICTSS)**, supporting large-scale government data systems.
- Designed and maintained SQL databases, particularly for LGU datasets involving over 42,000 barangays.
- Developed REST APIs in Java and Python-based automation tools to streamline email alerts, Excel processing, and data uploads.
- Enhanced backend integration for the National Tax Allotment and National Wealth Dashboards.

PROJECTS

Momentum AI Suite (Desktop Application) – In Development
- AI-powered productivity ecosystem with task, habit, nutrition, fitness, and finance management.
  - **Tech Stack**: React, Node.js, Typescript, Tauri, Rust, Llama3.1 Model

GetMeHired (Web Application) – Live
- AI-powered job application tracker with Resume/Cover Letter Writer.
  - **Tech Stack**: React, Node.js, Typescript, Supabase, n8n, OpenAI API

CPU Exam Schedule Finder (Web Application) – Live
- Web App for searching student exam schedules using structured Class and Exam Data.
  - **Tech Stack**: React, Node.js, Typescript, Supabase, Express (Hosted on Render)

Baptism Records Manager (Desktop Application) – Production
- Offline-first Desktop CRUD system for Local Parish Records with Role-based access and File Backup System.
  - **Tech Stack**: React, Tauri V2, Typescript, Rust, SQLite

SKILLS

AI/ML: RAG Architecture, Embeddings, LangChain, Mastra, Pinecone, OCR (DataLab, Pixtral), OpenAI API, AI SDK
Languages: Javascript, Typescript, Python, SQL, Java, C#, Rust
Frameworks/Libraries: React, Express, .NET, Tailwind CSS
Tools & Platforms: Node.js, Supabase, SQL Server, MySQL, Git, Docker, Postman, Tauri, Ollama