Portfolio Highlights

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Portfolio | GitHub

Summary. Software Engineer with experience in full-stack development, backend automation, and AI-driven applications. Skilled with Python, TypeScript, React, NestJS, Flutter, databases (Postgres, MySQL), cloud platforms (GCP, AWS, Azure), and Infrastructure as Code (Terraform). Proven ability to design APIs, build RAG/chatbot systems, and deploy scalable cloud services.

Selected Projects

1. **Chatbot / RAG Deployment for Recruitment Systems**
   Role: Backend Developer (Freelance)
   Built robust APIs and retrieval-augmented generation systems to support conversational assistants for recruitment platforms. Implemented ETL pipelines, vector stores, and production-ready endpoints.
   Technologies: Python, LangChain, OpenAI API, Pinecone/ChromaDB, Docker, GCP/AWS.

2. **Geospatial Analysis Tool for MTOP (Ministry of Transport)**
   Role: Geospatial Applications Developer (Freelance)
   Developed a GIS-based analytics tool to prioritize road infrastructure projects by social and technical indicators. Implemented data processing with PostGIS, Python, and a web dashboard for stakeholders.
   Technologies: Python, PostgreSQL + PostGIS, Laravel, QGIS.

3. **Full Stack Applications at KANECODE**
   Role: Full Stack and AI Applications Developer
   Led feature development for web and mobile apps using React/NextJS and Flutter. Integrated AI components (chatbots, RAG systems), designed backend APIs, and participated across the full software lifecycle.
   Technologies: React, NextJS, Flutter, NestJS, MySQL/Postgres, Docker, Terraform.

4. **Backend APIs for AWANA**
   Role: Freelance Backend Developer
   Implemented secure, well-documented APIs for chatbot systems and recruitment platforms, with matching logic and scoring. Automated data pipelines and deployed services to cloud environments.
   Technologies: NestJS, Python, Terraform, AWS/GCP.

Technical Skills (short): Python, TypeScript, Golang (learning), NestJS, React, Flutter, Docker, Kubernetes (familiar), AWS/GCP/Azure, Terraform, PostgreSQL, MySQL, Elasticsearch.

Links & Artifacts

Portfolio site: `https://leoandy23.github.io/portfolio/`
GitHub: `https://github.com/leoandy23`
Available on request: code samples, architecture diagrams, reference letters.

Prepared for Sezzle application — Junior Software Engineer (LATAM).