

ALEXANDER J. GALEDO

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PROFESSIONAL SUMMARY

Co-Founder, AI Engineer and Full-Stack Developer with extensive experience engineering enterprise-grade automated workflows, RAG pipelines, and decentralized applications. Specializes in advanced LLM orchestration (Gemini, Claude, LangChain) and building scalable backend systems (FastAPI, Next.js, PostgreSQL) with a proven track record of reducing operational latency and accelerating deployment lifecycles. Proven technical leader as a Chief Technology Officer and Google Developer Groups Lead, skilled at transforming cross-platform user requirements into production-ready software architectures.

EXPERIENCES

Co-Founder & Chief Technology Officer

Wika PH

March 2026 — Present

- Co-founded and spearheaded the complete technical architecture of an AI-driven, localized language-learning platform, called Wika PH, successfully scaling product delivery from proof-of-concept to an active production environment.
- Engineered a scalable mobile backend using LangChain, FastAPI, and Hugging Face Embedding models optimized for low-resource regional dialects.
- Deployed the interface across a cross-platform React Native Expo mobile application, implementing localized state management and token-based client-side caching to support offline-first user interactions.

Service Quality Assurance Intern

Globe Telecom | BGC, Taguig City

October 2025 — March 2026

- Automated critical telecom quality assurance data pipelines and reporting workflows by engineering custom Python automation scripts and Google Apps Script integrations, reducing manual data-entry overhead by 40%.
- Maintained and refactored high-throughput ETL data pipelines, ensuring 99.9% uptime and consistent visibility of real-time network performance metrics across cross-functional engineering teams.

Backend Development Lead

Google Developer Groups on Campus - TUP

August 2025 — June 2026

- Orchestrates core backend system architectures and RESTful API integrations for campus community software solutions, successfully processing high-concurrency requests utilizing FastAPI, and microservices.
- Accelerated deployment feature velocity by 25% by mentoring a team of frontend and backend developers on scalable database design, automated testing, and branch-protection Git workflows for the GDGoC-TUPM website.

Operations Support

Google Developer Groups on Campus - TUP

September 2024 — June 2025

- Coordinated technical infrastructure, local network setup, and cloud configurations for large-scale campus developer events, maximizing registration throughput for over 500+ participants.
- Managed cross-functional operational workflows between logistics and technical media teams to guarantee real-time deployment stability of live stream assets and event check-in systems.

TECHNICAL SKILLS

Languages: Python, JavaScript/TypeScript, C/C++, SQL, Solidity, GDScript

Frameworks & Libraries: Next.js, React.js, React Native (Expo), FastAPI, Flask, Django, LangChain, fastMCP

Databases & Cloud: PostgreSQL, Firebase, Supabase, BigQuery, Google Cloud Platform (GCP)

Tools & IDEs: Git, GitHub, Figma, Claude Code / MCP, Kimi Code, Codex, Gemini, Cursor, Vercel, Netlify, Render

PROJECTS

Oricalcum

Next.js, FastAPI, Supabase, LangChain, Gemini, fastMCP

- Architected an autonomous AI workspace featuring a centralized enterprise knowledge base powered by a robust Retrieval-Augmented Generation (RAG) pipeline and Gemini Pro LLM models

HackConnect

React.js, Flask, PostgreSQL, 3rdweb | Manila Bootcamp TON Hackathon

- Built a full-stack event hosting and discovery platform for developers with direct TON blockchain integration, enabling incentivized and transparent event participation.
- Implemented 3rdweb-powered on-chain reward distribution and transparent governance mechanisms, reducing platform trust overhead for event organizers and attendees.

TechTopia

React, Flask, Firebase, 3rdweb, Gemini | Create & Conquer Hackathon – Top 8 Finalist

- Led full-stack development of an AI-powered startup launchpad integrating Gemini for pitch evaluation and business model analysis, accelerating the ideation-to-pitch cycle for early-stage founders.
- Implemented blockchain-based fundraising via 3rdweb smart contracts ensuring end-to-end transactional transparency and security for backers and founders on-chain.

Wika

LangChain, FastAPI, React Native Expo, HuggingFace | Developer Camp 2026

- Prototyped an AI-driven Filipino regional language learning mobile app, architecting a full backend pipeline with LangChain and HuggingFace transformer models fine-tuned for low-resource Filipino dialects within a 72-hour hackathon.
- Pitched the product to a panel of judges after delivering a working cross-platform React Native Expo application with real-time dialect inference and lesson generation capabilities.
- Delivered RAG-Powered Voice Agents for Real-time conversation and translation for low-resources regional languages in the Philippines.

Dialecto

React Native, Flask, Meta NLLB | ISEAC Hackathon

- Developed a translation and education app for underserved Filipino dialect communities using Meta's NLLB multilingual model, delivering accessible language tools to regions with limited mainstream NLP support.
- Engineered a Flask backend exposing dialect inference APIs consumed by a cross-platform React Native mobile interface, enabling real-time text translation and dialect education modules.

ReLeaf

React, Flask, 3rdweb, PostgreSQL

- Designed and built a blockchain-powered carbon credit marketplace connecting smallholder farmers and corporations, automating credit issuance and transfer via 3rdweb smart contracts for immutable on-chain auditability.
- Architected a full-stack solution with a React frontend, Flask REST API backend, and PostgreSQL data layer, implementing real-time credit pricing, farmer dashboards, and corporate procurement workflows.

Sinag

React, Flask, 3rdweb, PostgreSQL | Meralco Hackathon 2025

- Designed and built a blockchain-powered reward system for saving electricity during peak hours, directly tackling one of Meralco's Grid Overloading during peak hours by creating a solution in the Demand side, rewarding people to voluntarily cut consumption during those critical windows.
- Architected a full-stack solution with a React frontend, Flask backend, and PostgreSQL data layer, implementing real-time credit pricing, farmer dashboards, and corporate procurement workflows.

SyncFit

React.js, FastAPI, Supabase, Gemini

- Built a mobile platform that connects workout trainers and trainees creating a synchronize environment and guided approached towards growth, with AI-powered workout and meal tracking that reduces mental load and provide better clarity towards desired health goal.
- Built on React-Native-Expo, using Gemini 2.5o flash for AI capabilities, and fastAPI + supabase backend for full control in Auth, Content, and Database.

EDUCATION

Bachelor of Science in Computer Science

Technological University of the Philippines - Manila

- **Relevant Coursework:** Web Development, Software Development, Data Analytics, Object-Oriented Programming, Data Structures & Algorithms, Project Management