

John Paul Alabe

Full Stack Developer | Backend Developer | Angular Developer

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WORK EXPERIENCE

Full Stack Web Developer | Elevatech Solutions

August 2023 – Present

Key Project: Replia — AI Chatbot SaaS Platform

- Built core Convex backend infrastructure for a multi-tenant AI chatbot SaaS platform, including organization-based access, RBAC, bot isolation, billing models, usage tracking, and subscription guards.
- Implemented RAG chatbot capabilities with OpenAI embeddings, vector search, streaming chat APIs, token-budgeted history, and bot-specific knowledge retrieval.
- Developed document ingestion for PDF, DOCX, CSV, webpages, custom Q&A, and knowledge snippets, including parsing, chunking, embeddings, and workflow orchestration.
- Improved ingestion reliability with Convex Workpool, Google Cloud Vision OCR, GCS Pub/Sub webhooks, retry handling, deduplication, and workflow resume logic.
- Created the embeddable Vite chatbot widget and initial WordPress plugin, including API integration, configurable UI, local storage, admin settings, and production packaging.
- Added PostHog observability and backend hardening across LLM calls, embeddings, chat events, errors, Convex authorization, storage access, validation, and domain restriction.

Key Project: Sikap.PH — Blue-Collar Job Platform Web & Mobile

- Developed and modernized full-stack features for Sikap.PH, a blue-collar job platform built with Angular, Ionic/Capacitor, Convex, Firebase, and TypeScript, supporting jobseekers, employers, and PESO partners.
- Architected core Convex serverless backend modules for jobs, applications, worker profiles, employer organizations, messaging, notifications, payments, verifications, permissions, and audit workflows.
- Built job-worker matching and search pipelines using Google Vertex AI embeddings, Google Maps geocoding, cached scoring workflows, distance/freshness weighting, and fallback recommendations to improve job discovery relevance.
- Reworked authentication around the existing Firebase infrastructure, integrating Firebase with Convex across web and mobile using OTP flows, route guards, webhook user sync, sign-out handling, and Capacitor native authentication.
- Created Firebase-to-Convex migration tooling with dry runs, chunked Firestore exports, schema realignment, snapshot generation, import reporting, and post-import backfills for geocoding, embeddings, and aggregate data.
- Delivered production-ready employer and jobseeker workflows, including job posting, job applications, saved jobs, candidate stages, shared messaging, transactional email notifications, notification preferences, CI/CD updates, and deployment configuration.

Key Project: LegisLed 2.0 & 3.0 — Legislative Management Platform

- Integrated LangChain and vector embeddings for semantic document search, dramatically accelerating search capabilities and cutting legislative file retrieval time by 50%.
- Developed an automated OCR pipeline utilizing the GCP Vision API for PDF text extraction, successfully eliminating 20 hours a week of manual data entry.
- Resolved complex data synchronization issues in Legisled 2.0 by setting up an Nginx proxy and PouchDB/CouchDB syncing to ensure high availability, achieving 99.9% uptime even during internal network outages.

- Designed a robust Convex serverless backend containing 20+ tables alongside GitHub Actions CI/CD workflows, improving system scalability by reducing deployment times by 40% and significantly lowering server load.

Freelance Software Developer | PIDRA
August 2025 – October 2025

- Developed a comprehensive digital platform to facilitate the filing and management of arbitration and mediation disputes.
- Built an intuitive admin portal for managing case records, session schedules, and member profiles, streamlining daily operations and increasing administrative efficiency by 35%.
- Integrated the Paymongo Payment Gateway and configured Supabase serverless functions to secure financial transactions, successfully processing 100+ payments with zero data breaches.
- Collaborated with a cross-functional team to integrate the Supabase backend directly with the mobile application, enabling real-time sync and ensuring data accuracy across all user platforms.

Angular Developer | Dame Digital
June 2023 – September 2023

- Developed and maintained a task management web application that improved task tracking workflows, boosting internal team productivity and task-completion rates by 15%.
- Collaborated with cross-functional teams to proactively troubleshoot and resolve technical issues, reducing bug rates and decreasing critical UI bugs by 20%.

Intern | Dame Digital
February 2023 – May 2023

- Assisted in frontend development and issue resolution, successfully accelerating the sprint delivery timeline for the core engineering team.

SKILLS

Frontend: Angular, Ionic, TypeScript, JavaScript, HTML, CSS, Tailwind

Backend & Cloud: Node.js, ExpressJS, Python Flask, Convex, Supabase, Firebase

Tools & Architecture: API Integration, Git, AI/RAG (LangChain, OpenAI, Gemini), Qdrant Vector DB, Github Actions, GCP

EDUCATIONAL HISTORY

- Master in Information Technology
Iloilo State University of Fisheries Science and Technology
Ongoing
- Bachelor of Information Technology
West Visayas State University - Pototan Campus | Magna Cum Laude
Graduated