

Niño Olvis

+63 945 376 2939 | noelninoolvis.snhs@gmail.com | [Portfolio](#) | [LinkedIn](#) | [GitHub](#)

EDUCATION

Cebu Institute of Technology – University

Bachelor of Science in Computer Engineering

Cebu City, Philippines

Aug. 2022 – May 2026

TECHNICAL SKILLS

Backend: Python, TypeScript, Node.js, FastAPI, Express.js, PostgreSQL, AWS, Supabase, Redis (Upstash), LiveKit

Frontend: Next.js, React, React Native, Tailwind CSS, shadcn/ui, Framer Motion, React Three Fiber, React Flow

AI & MLOps: RAG (GraphRAG, pgvector), Google Gemini, LangChain, Vercel AI SDK, Ragas, MLflow, DagsHub

DevOps & Tools: Turborepo, Git/GitHub, CI/CD, Vercel, Render, Upstash QStash, Expo (EAS)

EXPERIENCE

Full-Stack Developer (Freelance)

May 2026 – Present

Karga PH — Heavy Construction Marketplace

- Established the core architecture for a B2B/B2C logistics marketplace using **Domain-Driven Design (DDD)** and **Hexagonal Architecture** within a **Turborepo** monorepo.
- Designed the spatial database schema for a real-time dispatch engine, leveraging **PostgreSQL with PostGIS (k-NN queries)** to optimize heavy logistics routing.
- Integrated **PayMongo** payment gateways to build an immutable double-entry financial ledger, automating payout splits between the treasury, quarries, and drivers.
- Engineered a fault-tolerant, event-driven state machine for logistics checkpoints, implementing an **IndexedDB** foundation for offline-first data synchronization.

PROJECTS

Smart Rainwater Harvesting System — Autonomous IoT Platform

[GitHub Repo](#)

C++, React Native, AWS IoT Core, Supabase, Edge Functions, PID Control

- Engineered ESP32 C++ firmware utilizing a 9-state finite state machine and a Time-Proportioned PID controller for autonomous chemical dosing.
- Implemented a secure telemetry pipeline, streaming real-time sensor data and parsing remote commands over TLS-encrypted MQTT via AWS IoT Core.
- Developed a React Native application integrated with Supabase Edge Functions to provide interactive Skia charts and live PID tuning overrides.

Istifsar AI — GraphRAG History Platform

istifsar-ai.vercel.app

TypeScript, Next.js, Supabase (pgvector), Gemini 2.5 Flash, GraphRAG, Redis

- Architected a GraphRAG pipeline utilizing PostgreSQL Recursive CTEs and a pgvector hybrid search engine to execute low-latency relational traversals.
- Built a Gemini Flash classification engine to detect conflicting scholarly assertions, visualizing historical network contradictions interactively via React Flow.
- Designed a decoupled citation architecture enforcing strict similarity thresholds, effectively eliminating AI hallucinations from generated responses.

Irshaad AI — Real-Time Voice Coaching Platform

irshaad-ai.vercel.app

TypeScript, Next.js, React Native, LiveKit, Supabase, Turborepo

- Architected a cross-platform real-time AI coaching ecosystem (Next.js, React Native, Node.js) managed within a strictly-typed Turborepo monorepo.
- Deployed a centralized LiveKit worker with Voice Activity Detection (VAD) to process context and stream ultra-low-latency audio responses.
- Engineered a Node.js context API server for dynamic document ingestion, implementing an automated cron-based pre-warming system to completely eliminate serverless cold-start delays.

CERTIFICATIONS

HubSpot Academy

AEO Certification

Online

Jul. 2026 – Aug. 2028