Neil Brags Guzman

Full Stack Software Engineer

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Summary

Full stack developer from the Philippines with 4 years of development experience. I build web apps with TypeScript, Next.js, Node.js, and Express on MongoDB, PostgreSQL, and Supabase; ship iOS and Android client apps with SwiftUI and Expo; and write Python tooling for cleaning training data and fine-tuning local LLMs with Hugging Face Transformers and MLX. Finishing a BS in Computer Science at Mapúa University, with a thesis on ECG classification using a 1D CNN-LSTM in PyTorch.

Work Experience

Owner
2024 – Present

Ori

- Run Ori, a side business that builds websites and small systems for startups, handling each project from the first client call through delivery.
- Built ori.brags.dev in Next.js and TypeScript: clients describe the site or system they need, see pricing converted to their own currency, and submit a build request that is delivered to me by transactional email.

Full Stack Intern
Jan 2026 – Apr 2026

Transitional E-Business Solutions Inc. (TESI)

- Completed a 244-hour internship building and maintaining apps on the OutSystems low-code platform, writing custom JavaScript and React where the built-in widgets fell short.
- Developed a hotel booking app, owning prototyping and feature development from early prototype to working implementation.
- Designed screens in Figma and built them into the booking app's OutSystems frontend.
- Maintained and documented a loan management app used by seafarers.

AI Engineer
Jun 2025 – Jan 2026

Labelbox

- Wrote Python scripts with pandas and NumPy to detect corrupted records and correct mislabeled examples in LLM training datasets.
- Fine-tuned local models on the cleaned data using Hugging Face Transformers and MLX, running inference through Ollama, to check that the cleaning improved output quality.
- Scored model outputs against defined evaluation rubrics alongside other AI engineers.

Full Stack Engineer
Apr 2025 – Jan 2026

The Async Studio

- Maintained and extended production client apps in TypeScript, shipping features across Next.js frontends and Node.js/Express REST APIs.
- Worked across MongoDB, PostgreSQL, MySQL, and Supabase depending on the client, using Prisma for schema and queries on the SQL databases.
- Implemented authentication with NextAuth (OAuth providers) and JWT-based sessions for the Express APIs.
- Deployed frontends to Vercel and backend services to AWS, packaging services with Docker.
- Built a customer support chatbot for an e-commerce site as a Python service (FastAPI and Flask) calling the OpenAI API, which the Node.js backend called for chat responses.
- Turned client requirements into working prototypes of websites and internal systems, including inventory systems, so clients could review them before full development started.

iOS & Full Stack Developer
Apr 2025 – Jan 2026

The Async Studio

- Moved from the full stack team to focus on mobile, building client apps in SwiftUI and in React Native with Expo.
- Built the mobile side of client apps from Figma UI design through implementation, connected to the team's Node.js APIs.
- Shipped an Expo app to both iOS and Android, using SQLite for local on-device storage.
- Released iOS builds through TestFlight and the App Store.

Skills

Languages: TypeScript, JavaScript, Python, Swift, C++, C#, SQL, HTML, CSS

Frontend: React, Next.js, Tailwind CSS, GSAP, Three.js, React Three Fiber

Mobile: SwiftUI, React Native, Expo, SQLite, TestFlight

Backend: Node.js, Express, FastAPI, Flask, ASP.NET Core, REST APIs, NextAuth, OAuth, JWT

Databases: PostgreSQL, MySQL, MongoDB, Supabase, SQLite, Prisma, EF Core

AI/ML: PyTorch, Hugging Face Transformers, MLX, Ollama, OpenAI API, pandas, NumPy

DevOps & Tools: Docker, AWS, Vercel, Git, Linux, OutSystems, Figma, Claude Code, Codex, Antigravity CLI

Certifications: AWS Cloud Technical Essentials (AWS), Deep Learning for Business (Yonsei University), Introduction to DevOps (IBM)

Projects

AFib Detection & Assessment Tool (Undergraduate Thesis)

Python, PyTorch, FastAPI, TypeScript

- Built a deep learning system that classifies cardiac burden from ECG recordings.
- Replaced an initial 2D spectrogram approach, which lost phase information, with a hybrid 1D CNN-LSTM that reads raw voltage signals directly.
- Added Grad-CAM heatmaps that show clinicians which parts of the signal drove each prediction.

Primer

Next.js, TypeScript, Python, LLM API

- AI study tool: users upload a PDF, slide deck, Word file, or photo of handwritten notes, and it generates a structured summary, a glossary with real-world examples, and flashcards.

Pizza Place API

C#, ASP.NET Core, EF Core, PostgreSQL

- Backend for a pizza ordering system that uses database transactions so simultaneous orders can't claim the same stock.

XOXO

C++17, OpenSSL, ncurses

- Terminal journaling app that encrypts every entry with AES-256-GCM.
- Wrote a Vim-style modal text editor from scratch on raw ncurses, checked for memory leaks with Valgrind.

FastShell

C++17, OpenSSL, ncurses, SSH

- Terminal tool for managing several SSH connections from one place, using forkpty() to run each session in its own pseudo-terminal. Login credentials are stored in an encrypted vault.

Ae's Portfolio

Next.js, TypeScript, GSAP, Tailwind CSS

- Portfolio site for a professional animator, with animated sections and video reels for her character animation work.

Toyota Supra Creative Showcase

Three.js, React Three Fiber, Next.js, GSAP

- Interactive 3D site where visitors explore a Toyota Supra model in real time, with shader reflections and scripted camera movements.

Education

Mapúa University

2022 – 2026

Bachelor of Science in Computer Science