

Carlo Antonio Taleon

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EDUCATION

West Visayas State University

B.S. Computer Science, Artificial Intelligence major

- GWA 1.12 (2nd Highest in the University)
- Summa Cum Laude

WORK EXPERIENCE

Senior Full-Stack Software Engineer

Jul 2023 - Present

[The Pique Lab Lte. \(Singapore, Remote\)](#)

- Migrated a large CRA codebase to Vite, **reducing build times from 6 minutes to 2 minutes** and improved dev server cold starts from **2 minutes to 0.5 seconds**.
- Worked on a variety of projects from CRM/ERP webapps (React), backend services (GraphQL), mobile apps (React Native), and realtime VoIP and SMS communication services (Twilio).
- Optimized encryption/decryption which reduced durations by **98% (30s to 0.5s)** for protecting our data.
- Practiced Domain-Driven Design (DDD) in the backend.
- Migrated a legacy React Native CLI app to pure Expo with pre-builds, improving integrations with native dependencies, streamlining deployments to TestFlight with GitHub Actions, and **saving up more than 3+ on EAS build credits/month**.

Software Developer Trainee

Jan - May 2023

[Spring Valley Tech Corp. \(Bago City, Philippines\)](#)

- Led a team of 5 developers as the Tech Lead in a startup project encompassing a mobile app, an admin dashboard, and a backend service.
- Automated the API documentation workflow which improved productivity by **200%**.
- Tech Stack: Flutter, ReactJS, NextJS, TypeScript, tRPC, PostgreSQL, Prisma

SKILLS

Languages: TypeScript, JavaScript, Dart, Python, Go, C#, SQL

Web & Mobile: ReactJS, NextJS, SvelteKit, SolidJS, TailwindCSS, SCSS, Redux, Zustand, React Native, Expo, Flutter, TanStack Query, Apollo, URQL

Backend: NodeJS, Express, Hono, tRPC, GraphQL, Socket.io, Lucia, FastAPI, Flask, Prisma, Drizzle, Kysely, Go

Databases: PostgreSQL, SQLite (Turso), MongoDB, Firebase, CockroachDB, MySQL

CMS: Wordpress, PayloadCMS, Prismic, Strapi

Infrastructure & DevOps: Linux, AWS S3, SES, VPS, Sentry, Vercel, Docker, Git, Github Actions, Vitest, Playwright

Machine Learning: Keras, Tensorflow, PyTorch, Google Colab

PROJECTS & OSS Contributions

ScolioVis.app ([scoliovis.app](#))

An AI-based scoliosis measurement tool with **91% accuracy**. My undergrad thesis. Trained the models from 600+ spine images. Made with NextJS, FastAPI, PyTorch, Zustand, Google Colab.

Resonate ([resonate-social.vercel.app](#))

An audio-based social app. Made with SvelteKit and Convex.

Spring Solid (npmjs.com/package/spring-solid)

An npm package that enables you to do spring animations in SolidJS. I ported it from Svelte.

Open Source

Made some contributions on [Vike](#) (A framework-agnostic NextJS alternative) and [Solid Sonner](#) (toast notifications for SolidJS)