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**.
Also 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 per 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, React.JS, Next.JS, TypeScript, tRPC, PostgreSQL, Prisma

SKILLS

Languages: TypeScript, JavaScript, Dart, Python, Go, C#, SQL
Web & Mobile: React.JS, NextJS, SvelteKit, SolidJS, TailwindCSS, SCSS, Redux, React Native & Expo, Flutter, TanStack
Backend: NodeJS, Express, Hono, tRPC, GraphQL, Socket.io, 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, Vercel, Docker, Git, Github Actions
Machine Learning: Keras, Tensorflow, PyTorch, Google Colab

PROJECTS & OSS Contributions

ScolioVis *(scoliovis.app)*
An AI-based scoliosis measurement tool with **91% accuracy**. My undergrad thesis. Trained the models from 600+
spine images. Made with Next.JS, 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)