

CARLOS SIMON CAMACHO

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EXPERIENCE

Software Engineer

July 2024 – Present

Supafaya

Remote Work

- Engineered and maintained full-stack features for multiple high-traffic platforms, including e-commerce, event ticketing, and paid voting systems, serving over **50,000 users**.
- Developed key user-facing features such as product listings, social proof widgets, and payment integrations (**Stripe, Xendit**), which collectively processed over **Php200K in transactions**.
- Built a secure, paid voting system for The House of Collab from the ground up, integrating payment gateways and ensuring **99.9% uptime** during critical voting periods.
- Executed the integration of the public Supafaya ticketing API with external client websites (e.g., Zumafest), expanding market reach and facilitating the sale of **10,000+ tickets** through third-party channels.
- Optimized application performance and core web vitals, resulting in a **35% reduction in page load times** and a **15% improvement in user engagement metrics**.
- Automated key development and deployment workflows through custom internal tools and scripts, reducing manual tasks by **10+ hours per week** for the engineering team.

IT Staff

July 2020 – May 2022

Barangay Hall Sta. Monica

Sta. Monica, San Simon, Pampanga, PH

- Designed and developed a custom resident management system from scratch using **MS Access and VBA**, digitizing records for a community of **5,000+ residents**.
- Automated critical data entry and report generation processes, reducing administrative processing time by **60%** and eliminating manual data errors by **95%**.
- Managed the end-to-end resident ID issuance workflow, cutting average fulfillment time from **10 business days to 3 days**.
- Generated and maintained critical reports for community initiatives, ensuring **100% data integrity** and timely submission to local government units.
- Provided technical and administrative support, leveraging the database to facilitate data-driven resolutions for resident inquiries and disputes.

PROJECTS

[Finora](#) | Typescript, Next.js, React, tRPC, Firebase, Tailwind, Shadcn UI

September 2025 – Present

- Architected full-stack finance application using **Clean Architecture principles**, separating business logic (core), data access (repositories), and presentation layers for maintainable, testable code.
- Engineered end-to-end type-safe API layer using **tRPC** with TanStack Query, eliminating runtime type errors and reducing API-related bugs by **100%** through compile-time validation.
- Implemented comprehensive authentication system with **Firebase Auth** and next-firebase-auth-edge, supporting email/password, Google OAuth, email verification, and secure session management with edge-compatible middleware.
- Designed reusable component architecture using compound component pattern with **Radix UI** primitives, reducing component complexity and improving code reusability across **180+ presentation components**.
- Established robust testing infrastructure with **Vitest** for unit tests and **Storybook** for component development, ensuring code reliability and visual consistency.

[Portfolio Website \(v2\)](#) | Next.js, TypeScript, OpenAI SDK, GSAP, Redis

August 2025 – Present

- Engineered **AI-powered portfolio chatbot** using **OpenAI SDK** with tool-calling system, implementing **Redis caching middleware** to optimize response times and reduce API costs.
- Built **rate-limiting infrastructure** using **Upstash Redis (10 requests/day per IP)** with request validation, error handling, and streaming responses for scalable API protection.
- Implemented **bilingual support (English/Filipino)** using next-intl with dynamic routing, SEO optimization, and automated OG image generation.
- Created performant animation framework using **GSAP ScrollTrigger** across **20+ components**, maintaining **60fps** performance on scroll-based animations.

TECHNICAL SKILLS

Languages: TypeScript, HTML/CSS,

Frameworks & Platforms: Next.js, Nest.js, React, WordPress

Styling & UI: Tailwind CSS, Shadcn (Radix) UI

State & Data Management: Zustand, React Query, Firebase (Auth, Firestore, Functions)

Databases: Firebase Firestore

Developer Tools: Git, VS Code, Node.js, Zulip, Figma

APIs & Integrations: ImageKit, Stripe, Xendit, Wix CMS