

# MICHAEL CONSTANTINO

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Mid-level Backend Developer with 3+ years of experience building scalable backend systems, RESTful APIs, and database architecture (PostgreSQL and SQL). Proficient in Node.js, NestJS, Express, TypeScript, with a strong foundation in CI/CD automation, and secure authentication architectures. Recognized for delivering clean, maintainable code across multiple live products serving real users, and for consistently driving results in collaborative, agile team environments. Readily available to work on-site in Iloilo.

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## EXPERIENCE

**Peak Solutions** - *Backend-focused Fullstack Developer* | Philippines Sept 2025 - May 2026

- Spearheaded the **Next.js monorepo architecture**, orchestrating a Public Portal and Internal Dashboard that unified **3** disconnected manual workflows, effectively digitizing **100%** of legislative document tracking and increasing public transparency.
- Engineered end-to-end type-safe APIs using **NestJS** and **oRPC**, automating complex document state-machines to reduce session agenda preparation time and eliminate manual data redundancy.
- Architected a secure **Supabase** Authentication system, implementing RBAC via **NestJS Guards** and RLS for storage to enforce strict data governance across **7+** distinct roles, preventing unauthorized access to sensitive government records.
- Built a **GitHub Actions CI/CD pipeline** tailored for the monorepo structure, implementing selective test execution that runs only affected packages per pull request. Configured separate workflows for unit, integration, and E2E testing using **Jest**, **Supertest**, and **Playwright**, eliminating the need for manual test runs and ensuring reliable, targeted feedback before every deployment to Coolify.

**TaxiBuddy** - *Fullstack Developer* | Philippines Aug 2025 - Dec 2025

- Led the development of a revenue-generating smart taxi and tourist booking app using **React Native (Expo)** and **Nativewind**, enabling travelers to book verified drivers and discover local destinations.
- Integrated **Google's Maps, Routes, and Places APIs** to provide precise location-based features, resulting in a streamlined booking experience and increased user conversion.

**JurisEase** - *Fullstack Developer & Scrum Master* | Philippines Feb 2025 - Aug 2025

- Built a Legal Case Management System using **Next.js** and **Supabase/PostgreSQL**, streamlining document processing, client tracking, and case workflows for law firms.
- Implemented a **central matter feature system** connecting all case information (documents, clients, tasks, deadlines) into one unified dashboard, eliminating fragmented data silos.
- Established a comprehensive testing suite covering Unit, API, and End-to-End tests using **Storybook**, **Cypress**, and **Deno**, achieving **~80%** test coverage and catching critical regressions before production releases.
- Led Daily Scrum ceremonies and maintained Jira project boards, keeping the team aligned across **6-month delivery cycle** with zero major deadline misses.

**Prelude** - *(Shadow) Frontend Developer* | Philippines Apr 2025 - Aug 2025

- Built and optimized a mobile booking app using **React Native (Expo)**, **TanStack Query**, and **Axios**, successfully meeting tight deadlines and accelerating deployment to the Google Play Store and Apple App Store.
- Integrated **Intercom SDK** with deep linking to provide seamless user navigation and real-time chat support, maintaining high client satisfaction through agile delivery cycles.

**Freelancer** - *Fullstack Developer* | Philippines Feb 2025 - Aug 2025

- Developed a Quick Response Mobile App for teachers and staff of Barosbos Elementary School, to help communicate with **300+ students**, enabling instant reporting and task tracking.
- Built with **React Native (Expo)**, **Firebase**, and uses **PhilSMS** for real-time data handling and local caching, and SMS integration.

## PROJECTS

**Notetube** - Fullstack Developer & Scrum Master | Philippines

Nov 2024 - Dec 2024

- AI-powered study tool on the **PERN** stack that uses **Google's Gemini API** to auto-analyze uploaded PDFs and generate interactive flashcards and quizzes.
- Built the flashcard feature end-to-end with **TypeScript**, **Express.js**, and **Shadcn/UI**, implementing a mobile-first responsive design that reduced student review time significantly.
- Led Scrum ceremonies and sprints as Scrum Master across a cross-functional team for a **2-month delivery cycle**.

**Project Alora** - Python Developer | Philippines

Feb 2024 - Mar 2024

- Built an accessibility-focused assistive application using **Python**, **MediaPipe**, **OpenCV**, and Speech Recognition for users with physical disabilities.
- Implemented a real-time face monitoring and gesture recognition UI using **CTkinter**, achieving **4th place** (university level) in the Google Solution Challenge.

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## TECHNICAL SKILLS

- **Languages:** TypeScript, JavaScript, Python, C#, Scala
- **Databases and ORMs:** PostgreSQL, Supabase, Firebase, SQL, Prisma, Drizzle
- **DevOps:** Vercel, Railway, Docker, Github Actions
- **Frameworks:** React, Next.js, React Native, Expo, FastAPI, Node.js, Express, NestJS, Tanstack Query
- **Testing:** Playwright, Cypress, Jest, Supertest, Vitest, Storybook, Deno
- **Developer Tools:** Git, GitHub, Bash, Visual Studio Code, Jira, Trello, Figma
- **UI/UX:** Figma, Canva, Tailwind CSS, Shadn/ui

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## EDUCATION

**Central Philippine University - BS Software Engineering**

2023 - Present

*Relevant Coursework:* Data Structures, Algorithms, Database Systems, Web Application Development, Software Testing, Project Management, Software Architecture, Machine Learning, Operating Systems

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## KEY ACHIEVEMENTS

**Top 1 Overall Engineering Dean Recommendation** - Ranked **1<sup>st</sup> overall** all engineering students in GPA for the 2<sup>nd</sup> Semester of S.Y. 2025-2025

**Startup Challenge Regional Finalist** - Ranked **3<sup>rd</sup>** among **83** teams in the **Philippine Startup Challenge 2025 (Region VI)** for TaxiBuddy, a smart taxi and tourist booking app.

**Globe Hangouts' GoGAMING National Finalist** - Placed **Top 12** nationwide for **Mix n Mash**, a 2D brawler platformer featuring customizable character parts.

**Google Solution Challenge Semifinalist (University Level)** - Achieved **4<sup>th</sup>** place for **Project Alora**, an accessibility app built with **OpenCV** and **MediaPipe**.