

Joseph Gabriel Castro

Software Engineer

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PROFESSIONAL OVERVIEW

Full-stack developer specializing in Next.js, with experience in Node.js, MongoDB/Mongoose, PHP, RESTful APIs, OAuth 2.0, Google authentication, and third-party API integrations. Experienced with cloud deployment and infrastructure using AWS and Cloudflare, with a focus on secure, production-ready web applications.

WORK EXPERIENCE

Junior Software Engineer Trainee | Armada Logics, La Union Philippines

June 2025 - Aug 2025

- Built responsive web pages/features using PHP, CodeIgniter, jQuery, HTML and CSS, supporting desktop and mobile layouts.
- Implemented frontend and backend functionality, including dynamic interfaces and server-side application logic.
- Debugged and improved existing features to ensure consistent usability across desktop and mobile interfaces.

EDUCATION

Bachelor of Science in Computer Science (Cum Laude) | Tarlac State University, Tarlac Philippines Graduated: 2026

PROJECTS

Alpine Haven | React, Next.js, JavaScript, Tailwind CSS, Supabase, NextAuth.js

- Built a responsive, full-stack booking platform with cabin filtering, date selection, and reservation management.
- Implemented Google OAuth authentication, session management, and authorization for guest accounts and reservations.
- Used React Server Components, server actions, and Supabase PostgreSQL for server-side rendering and data management.

SubTrack | React, JavaScript, Tailwind CSS, Node.js, Express.js, MongoDB, Mongoose, Arcjet, Upstash, Nodemailer

- Developed React dashboards and Express RESTful APIs for subscription management, spending analytics, and renewal tracking with MongoDB.
- Implemented Google OAuth 2.0, JWT authentication, OTP verification, and password recovery, with Arcjet protection and endpoint rate limiting.
- Scheduled renewal reminder emails using Upstash Workflows for timed execution and Nodemailer for delivery.

Better Gym | Flutter, Dart, Google ML Kit, BlazePose, Python, Pytorch, 2s-AGCN, PHP, MySQL

- Built an AI-powered Flutter fitness app using Google ML Kit and BlazePose for real-time repetition counting and exercise form assessment
- Adapted and trained a 2s-AGCN model in PyTorch to classify correct and incorrect exercise form, achieving 98.46% accuracy

SKILLS

Languages: JavaScript, PHP, Python, Dart, C#

Frameworks & Libraries: React.js, Next.js, Node.js, Express.js, Flutter, CodeIgniter

Databases & Platforms: MongoDB, MySQL, PostgreSQL, MariaDB, Supabase, Appwrite

Tools: Git, Docker, AWS, Cloudflare, Vercel