

ALYSSA JADE P. MERJILLA

Junior Full-Stack Developer | AI Integration

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PROFESSIONAL SUMMARY

Junior Full-Stack Developer and Computer Engineering graduate with hands-on experience building full-stack and AI-powered web applications using React, Next.js, and TypeScript. Experienced with responsive interfaces, CRUD functionality, backend integrations, REST APIs, Supabase/PostgreSQL, and LLM APIs. Comfortable using AI as a development partner for planning, learning, debugging, implementation, and testing while working independently.

TECHNICAL SKILLS

Frontend: React, Next.js, TypeScript, JavaScript, HTML, CSS, Tailwind CSS, shadcn/ui, Framer Motion
Backend & Databases: Supabase, PostgreSQL/SQL (Basic), REST APIs, Next.js API Routes, Firebase (Basic)
AI & LLM Integration: Gemini API, Groq AI, Prompt Construction & Design, Streaming AI Interfaces, Response Handling, AI-Assisted Development
Tools & Deployment: Git, GitHub, Vercel, Netlify, VS Code
Other Languages: Java, Python, C++

EXPERIENCE

AI Engineering Intern — Flyrank (Remote) 2026 – Present

- Complete hands-on AI engineering assignments focused on frontend and AI-powered web application development.
- Build React and Next.js interfaces using reusable components and responsive layouts.
- Implement AI APIs and streaming AI interfaces for conversational applications.
- Developing ALYMER, an AI-powered project and career management platform, as the internship capstone.
- Use AI as a development partner for task breakdown, technical learning, debugging, and implementation while coding and testing features independently.

On-the-Job Trainee — Department of Information and Communications Technology (DICT), Region 4A Jun – Aug 2025

- Redesigned and improved a client-facing government web application for intern time-in/time-out and visitor logging using AI-assisted development tools.
- Collaborated with team members to troubleshoot functionality issues and improve the application's usability and reliability for intended users.

SELECTED PROJECTS

Full-Stack AI Portfolio | Next.js · React · TypeScript · Supabase · PostgreSQL · Gemini API · Resend · Vercel

- Built and deployed a responsive full-stack application integrating Gemini API for prompt construction, response handling, and streaming AI output.
- Implemented CRUD functionality with a dedicated admin panel for managing portfolio content and data.
- Built backend functionality with Supabase/PostgreSQL and REST endpoints; integrated Resend for transactional email delivery.
- Developed reusable UI components with Tailwind CSS and shadcn/ui and deployed the application on Vercel.

ALYMER — AI Project & Career Management Platform | Next.js · React · TypeScript · Supabase · PostgreSQL · Groq AI · Vercel

- Developing an AI-powered platform combining project management and career-development workflows in a single workspace.
- Building the application end to end using AI-assisted task planning, technical guidance, debugging, implementation, and testing.
- Designing practical workflows for project organization, job tracking, and AI-assisted career development.

Smart Laundry Kiosk (Thesis) | Arduino Mega 2560 · Raspberry Pi · PCB Layout · Networking · Troubleshooting

- Led hardware architecture and programming for an automated laundry drop-off and payment system.
- Built transaction-processing logic integrating load cells, a thermal printer, and a coin acceptor.

Additional: Patibayan ng Bahay (Java); MIMAROPA Interactive Map (Python); Financial Companion (AI web app).

EDUCATION

Bachelor of Science in Computer Engineering — Southern Luzon State University | Graduated June 2026

CERTIFICATIONS

Google: AI Essentials · Foundations of Project Management · Foundations of Cybersecurity · Play It Safe: Manage Security Risks · Ask Questions to Make Data-Driven Decisions · Data, Data, Everywhere

Cisco: JavaScript Essentials 1 & 2 · Python Essentials 1 & 2 · Network Addressing and Basic Troubleshooting · Computer Hardware Basics

LEADERSHIP & AFFILIATIONS

SCOPES – Society of Computer Engineering Students: Executive Secretary (2024–2025), 4B Representative (2025–2026) · SLSU College of Engineering Student Council: Assistant Secretary (2023–2024) · Institute of Computer Engineers of the Philippines, Region 4A: Member (2022–Present)