

MARK EUGENE LOPEZ

SOFTWARE ENGINEER | MOBILE & WEB DEVELOPMENT

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EDUCATION

B.S. in Computer Science & Software Engineering — University of Washington (Graduated: Jun 2024)

Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming, Database Systems, Agile & Scrum Methodologies, Software Development Life Cycle (SDLC), UI/UX Design, Machine Learning

PROFESSIONAL EXPERIENCE

Full Stack Engineer Intern — DashBeast Inc.

Jul 2025 – Jan 2026

- Engineered responsive React Native features from Figma designs, utilizing AI-assisted development (Copilot) and advanced prompting to accelerate TypeScript component generation and backend integration.
- Accelerated release cycles by establishing an Azure DevOps CI/CD pipeline, leveraging prompt engineering to automate complex YAML configurations and eliminate manual build bottlenecks.
- Optimized application stability through on-site hardware testing, using AI-driven log analysis to identify and resolve critical mobile-backend synchronization issues and improve data visualization.

Member Service Representative — Planet Fitness

May 2026 – Present

- Welcomes members, manages check-ins and memberships, and delivers friendly service at the front desk.
- Supports gym cleanliness and gear upkeep, helping maintain a safe, motivating space for members.

Technical Support Specialist & Volunteer — Adult Homecare Facility

Oct 2016 – Present

- Directs facility-wide technical support for hardware and connectivity while ensuring patient safety through dedicated daily care and administrative assistance.

IT & Technical Support Specialist — Olympus Vapor

Feb 2017 – Dec 2024

- Developed an in-depth diagnostic methodology for specialized hardware, analyzing firmware and system logs to troubleshoot software-driven device failures, which reduced escalations by 40% and honed systematic debugging skills applicable to modern tech stacks.

TECHNICAL PROJECTS

See more projects at marklopez.com

Resolution Fitness — Mobile Application (Independent)

Jun 2026 – Aug 2026

- Developed a full-stack fitness app with a React Native/Expo frontend and a Go REST API.
- Includes JWT auth, workout plans, food scanning via Gemini vision, and an AI fitness coach.
- Ships with a live demo and 166 automated tests across the Go backend and mobile app.

Vax Translate — Web Application (Collaboration)

Apr 2023 – May 2023

- Contributed to Professor Erdly at UWB and developed a full-stack web application using Flask, SQL, and Tailwind CSS, integrating Google AI APIs for accurate translation of vaccination records.

SKILLS

Programming Languages: JavaScript, TypeScript, Python, SQL, HTML, CSS, C#, Java, C++

Frameworks & Libraries: React.js, Next.js, React Native, Node.js, Express, Flask, Tailwind

AI & Prompt Engineering: LLM Orchestration, Prompt Design for SDLC, ChatGPT, Claude, DeepSeek, PyTorch

Tools & Platforms: Azure DevOps, AWS, Render, Cloudflare, Git, Docker, Supabase, MongoDB, PostgreSQL, Swagger

Concepts: CI/CD, RESTful APIs, Machine Learning, Microservices, SDLC, Agile/Scrum

Speaking Languages: Fluent in English and Filipino/Tagalog

PROFESSIONAL REFERENCES

Mustafa Jama (Product Manager of DashBeast Inc.) — jama_mustafa@yahoo.com / 206-712-0282

Hermie Baylon (Senior Software Engineer of Well's Fargo) — hermib100@gmail.com / 253-844-8998

Ena Kesav (Owner of Adult Facility Homecare) — ennakesav@gmail.com / 425-442-0383

Ken Lee (Owner of Olympus Vapor LLC) — olympusvapor@gmail.com / 253-202-1311