

MARK EUGENE LOPEZ

AI/SOFTWARE ENGINEER | LLM APPLICATIONS & FULL-STACK

Bellevue, WA — US Citizen | notmarklopez@gmail.com | 425-215-9607 | linkedin.com/in/linked-macko | marklopez.dev

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

Built the mobile team's AI-assisted development workflow: reusable prompt patterns and shared context files that turned Figma screens into typed React Native components and their backend integrations.

Automated release engineering on Azure DevOps CI/CD, using prompt-driven authoring of the pipeline YAML to remove manual build steps and shorten the path from commit to device build.

Diagnosed mobile-to-backend synchronization faults with AI-assisted analysis over device and server logs, surfacing failure patterns in a clearer data view instead of manual repro.

Member Service Representative — Planet Fitness

May 2026 – Present

Front-desk member support — check-ins, memberships, and the real user friction behind AI feature scope.

Keeps equipment and the floor safe and presentable, with the checklist discipline I bring to model-backed systems.

Technical Support Specialist & Volunteer — Adult Homecare Facility

Oct 2016 – Present

Runs facility-wide hardware and connectivity support alongside daily patient care and admin help — reliability work where downtime lands on someone, not a dashboard.

IT & Technical Support Specialist — Olympus Vapor

Feb 2017 – Dec 2024

Built a diagnostic methodology for specialized hardware by reading firmware and system logs to isolate software-caused failures, cutting escalations 40% — the same log-first debugging I bring to model and pipeline failures.

TECHNICAL PROJECTS

See more projects at marklopez.dev

Resolution Fitness — Generative AI · Mobile (Independent)

Jun 2026 – Aug 2026

Developed a full-stack fitness platform with a React Native/Expo frontend and a Go REST API.

Ships with an AI coach that grounds every answer in the member's own routines, XP, and streaks, plus food scanning through Gemini vision into nutrition insights.

Live demo and 166 automated tests across the Go backend and mobile app.

Vax Translate — Document AI · Web Application (Collaboration)

Apr 2023 – May 2023

Built with Professor Erdly at UWB: a Flask, SQL, and Tailwind app that pipelines Google Vision OCR and Google AI translation to rewrite vaccination records in plain language, with output checked against the source record.

SKILLS

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

AI & LLM Engineering: LLM Orchestration, Prompt & Context Engineering, RAG, AI-Assisted SDLC, PyTorch

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

Tools & Platforms: Azure DevOps, AWS (Lambda, SQS, SNS), Docker, Render, Cloudflare, Git, Supabase, PostgreSQL, MongoDB, Swagger

Concepts: CI/CD, RESTful APIs, RAG, LLM Evaluation, 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