

MARK DAVID LIBERATO

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PROFESSIONAL SUMMARY

Front-End Engineer with 3+ years building high-performance web applications using React, Next.js, and TypeScript. Led frontend migrations reducing technical debt 40%, implemented CI/CD cutting release time 50%, and delivered 10+ projects at Samsung. Experienced in SaaS platforms, AI integrations (OpenAI API, RAG, chatbots), data visualization, and cloud deployments (AWS, Vercel).

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Java, Python, SQL, C# **Frontend:** React.js, Next.js, Angular, HTML5, CSS3, Tailwind

State & Testing: Redux, Zustand, Jest, React Testing Library **DevOps & Cloud:** GitHub Actions, AWS, Vercel, Docker

AI & LLMs: OpenAI API, RAG, Chatbots, Agent Builders **Data & CMS:** Chart.js, ECharts, Strapi, GraphQL, REST APIs

PROFESSIONAL EXPERIENCE

- Engineer | Samsung Electronics Philippines Corporation** May 2023 - Present
- Led React.js to Next.js migration, reducing technical debt 40% and improving maintainability
 - Major contributor to AI SDK Admin Portal from inception to production with Next.js, TypeScript, Chart.js
 - Built SOSCON 2023, 2024 & 2025 websites serving hundreds of developers annually
 - Implemented CI/CD with GitHub Actions, reducing deployment time by 50%
 - Achieved 85%+ test coverage using Jest and React Testing Library
- React.js Developer | Collabera Digital Philippines** Mar 2022 - Apr 2023
- Developed Eye Locator App with multi-config support for Essilor Brazil, China, and other regions
 - Migrated Google Analytics to GA4; modernized architecture with pnpm for improved build efficiency
- IT Team Lead / System Administrator | University of Makati & Rimport Industries** Jul 2016 - Jan 2022
- Led IT operations for 6 labs; managed Active Directory, NAS/SAN for 100+ users with 99.9% uptime

KEY PROJECTS

Spring of Virtue School — Next.js landing page with SEO optimization **8GIG Konstruct** — Custom React.js showcase with SCSS/BEM

Core Bridge Solutions — Full-stack Next.js + Strapi CMS + GraphQL **Ayuda Lesiones** — Led team of 2 devs, Next.js + Strapi CMS

EDUCATION

B.S. Computer Engineering — STI College, Global City