

# VIMAL M

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## Summary

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Fullstack Engineer with 4 years of experience building and shipping production-grade web applications. Led end-to-end delivery across React/Next.js frontends, Node.js/FastAPI backends, and AWS infrastructure. Track record of owning complex migrations, architecting scalable multi-tenant systems, and delivering under tight timelines across product and consulting environments.

## Experience

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**Euclod Data Solutions** | Senior Software Engineer

*Feb 2024 – Present*

### Euclod Corporate Website Migration

- Migrated the entire Euclod website from a legacy Laravel/cPanel stack to Next.js 14 with zero downtime — implemented a Strangler Fig pattern with hybrid routing, running both old and new sites under the same domain simultaneously throughout the transition.
- Configured nginx dynamic routing to serve legacy routes from the old system and migrated routes from Next.js, enabling safe incremental rollout without service interruption.

### BCG Employee Survey Platform

- Built a timed peer-rating survey application for BCG serving thousands of simultaneous users, secured with unique-link + OTP authentication — zero-friction access without account creation.
- Designed a CSV-driven respondent mapping system: a single upload maps each respondent to their designated candidate set, ensuring reviewers only see assigned peers and preventing cross-group data leakage.
- Engineered mid-survey disconnect recovery so in-progress responses are preserved and users can resume seamlessly without data loss.

### Lumen AI — Full Stack Development

- Served as the core fullstack engineer for Lumen AI, an AI SaaS platform — built and iterated across multiple POC applications spanning AI-powered workflows, improving UI performance and user efficiency by ~30%.
- Architected a multi-tenant RBAC system enabling precise permission control across organisations and user roles.
- Implemented secure auth with JWT, OAuth 2.0 (Google, Outlook, GitHub), and caching — reducing login failures and improving sign-in speed for end users.
- Built and deployed multiple micro-frontend applications integrated into a unified platform via nginx, improving modularity and speeding up feature development cycles.
- Orchestrated Docker + AWS production deployments, improving release reliability and reducing deployment turnaround.

**Hippo Video** | Member Technical Staff

*Jul 2022 – Jan 2024*

- Primary contributor to the Recorder SDK — reduced bundle size by **70%** through code splitting and lazy loading, significantly cutting page load times and improving user experience across the product.
- Led design and development of a Chrome extension (Manifest V3) with recording and video functionalities, integrated with multiple third-party platforms.
- Collaborated with backend and design teams in an agile environment, owning feature delivery under tight deadlines.

**Hippo Video** | Member Technical Staff — Intern

*Feb 2022 – Jun 2022*

- Resolved performance issues and optimised the Recorder SDK to improve load time and user experience.
- Contributed to Chrome extension UI enhancements and third-party platform integrations.

## Skills

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**Frontend:** React, Next.js 14, TypeScript, JavaScript, Redux, HTML, SCSS

**Backend:** Node.js, FastAPI, Python, REST APIs, JWT, OAuth 2.0

**Infrastructure:** AWS (EC2, ECS, S3, CloudFront), Docker, nginx, GitHub Actions

**Databases:** PostgreSQL, SQL Server

**Tools:** Git, Agile/Scrum, Claude Code

## Education

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**Animalar Engineering College** | B.E. Computer Science

*Graduated Jun 2022*