

Vaibhav Vinayak

Engineering Manager | Full-Stack & Platform Engineering | 9+ Years

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Professional Summary

Engineering Manager and Technical Leader with 9+ years of experience building and scaling high-traffic web and mobile platforms serving 100M+ users across FinTech, Sports, AI, and GovTech. Experienced in leading engineering teams, owning technical strategy, modernizing legacy systems, and driving end-to-end product delivery. Strong track record of scaling teams, partnering with senior stakeholders, and translating business requirements into reliable, high-performing platforms.

Skills

- **Languages:** JavaScript, TypeScript, Golang
- **Frontend:** React.js, Next.js, React Native, Redux, Zustand
- **Backend:** Node.js, Nest.js, Hono.js, Golang (Fiber)
- **Databases:** PostgreSQL, MySQL, MongoDB
- **AI:** LLMs (Claude, GPT, Gemini, Deepseek), Agents (Claude Code, Cursor, Codex)
- **ORMs:** Prisma, Drizzle, Mongoose
- **Cloud & DevOps:** Cloudflare Workers, Vercel, Netlify, GCP, Azure, AWS
- **Testing:** Unit Testing, Integration Testing, Jest
- **Leadership & Management:** Team building & hiring, Engineering strategy & architecture, Mentoring & performance development, Delivery & resource planning

Professional Experience

Artefact – Senior Engineering Manager

Oct 2024 – Present | Remote

- **Team Scaling & Leadership:** Rapidly scaled the engineering team by **6x within 2 quarters**; established agile workflows and code review standards to maintain velocity across frontend and backend squads.
- **Stakeholder Management:** Handled end-to-end ownership of Data Engineering products across multiple domains and industries.
- **Engineering Excellence & AI Ops:** Championed the adoption of **AI-assisted development tools (Cursor / Claude Code)** and standardized technical documentation, increasing team-wide code consistency and reducing onboarding time by **30%**.
- **Product Delivery:** Successfully launched real-time data access tools for critical stakeholders, meeting aggressive deadlines through strategic resource allocation and risk mitigation.

Proximity Works – Senior Software Engineer

Sep 2022 – Oct 2024 | Remote

- **Architected and delivered high-scale web and mobile platforms** that currently serve **over 100 million active users** in the Sports, FinTech and EdTech.
- **Led a team of 4 developers** for development of a logistics automation platform for a US-based D2C automation platform using **Next.js, Nest.js, Prisma, and PostgreSQL**, **reducing the merchant onboarding cycle by over 80%**.
- **Engineered and optimized the login system** for India's most widely used fantasy sports app, improving authentication speed and reliability for millions of daily active users and **reducing login-related support tickets by 40%**.
- **Led the end-to-end development** of an AI-powered video analysis tool that **reduced content review time by 40%** and **increased actionable insights** generated for creators **by 60%**, improving overall content optimization efficiency.

Accolite Digital – Senior Software Engineer

Nov 2021 – Jun 2022 | On Site

- **Improved user experience and data rendering performance** on an enterprise-grade data visualization platform, leading to a **15% increase in user engagement** and reducing client-reported load time issues.
- **Refactored legacy codebases** and implemented new data visualization components, enhancing maintainability and speeding up future feature development.

Dew Solutions Pvt Ltd – Software Engineer

Feb 2020 – Nov 2021 | Client Side

- **Fintech Super App:** Led the frontend team of 13 developers for a major fintech super app, building dynamic flows for payments and investments that handled transactions at massive scale.
- **Modular Architecture:** Engineered a **high-performance component library** and micro-frontend patterns to ensure consistency across multiple financial modules, reducing UI development time for new features by **35%**.
- **PWA & Conversion:** Developed and launched user-facing PWA features and a modular UI system, which boosted mobile conversion rates by **10%** and improved offline capabilities for users.

Daffodil Software – Associate - IT

Jul 2017 – Feb 2020 | On Site

- **ERP Modernization:** Designed and maintained custom ERP platforms for educational institutions and mid-scale enterprises, automating administrative tasks and increasing operational efficiency by **25%**.
- **Requirement Analysis:** Collaborated directly with stakeholders to gather requirements, leading to the successful development of new modules that streamlined financial reporting and HR management.
- **Agile Participation & Mentorship:** Actively contributed to Agile sprint planning and mentored junior interns on frontend best practices, ensuring high code quality and adherence to project timelines during critical delivery phases.

Key Projects for High-Scale Clients

Dream11 | Lead Developer – React Native & Infra

- **Scalability at Peak:** Engineered and optimized the login infrastructure for India's largest fantasy sports platform, supporting **100M+ active users** with sub-second authentication latency.
- **Migration Leadership:** Led the strategic migration of native Android/iOS apps to **React Native**, ensuring high-fidelity performance parity while reducing the cross-platform development cycle.
- **Reliability Engineering:** Implemented advanced session management and error-handling protocols, resulting in a **40% reduction in login-related support tickets** and improved user retention.

Qiddiya | Senior Technical Manager – Fullstack & Architecture

- **Big Data Visualization:** Architected web and mobile applications to process and visualize massive datasets from **Google BigQuery**, enabling real-time analytics for a Saudi Vision 2030 giga-project using Next.js, Nest.js and Golang.
- **Modernization Strategy:** Led the **transition from legacy architectures to modern server-first React applications**, utilizing Server-Side Rendering (SSR) to optimize performance and data fetching.
- **PoC to Production:** Directed Proof of Concept (PoC) initiatives for high-concurrency modules, validating modern tech stacks that increased engineering delivery velocity by **3x**.

TataNeu | Frontend Lead – React PWA

- **Super-App Ecosystem:** Led the frontend team for a major Fintech PWA, developing modular, dynamic flows for payments and investments designed for massive transactional scale.
- **Performance Optimization:** Improved UI responsiveness and state synchronization using Redux/Toolkit, ensuring **real-time data accuracy** for sensitive financial transactions.
- **Conversion Focused:** Launched a modular UI system that boosted mobile conversion rates by **10%** through improved Core Web Vitals and seamless user journeys.

Aldar Stakeholder Platform | Technical Manager – Fullstack

- **Architectural Overhaul:** Spearheaded the migration of legacy Angular systems to a modern React-based stack, achieving an **80% performance jump** across enterprise modules.

- **Stakeholder Integration:** Managed the development of a dual-application tool for Abu Dhabi's leading developer, integrating complex data streams to provide real-time government-facing insights.
- **Team Leadership:** Oversaw cross-functional collaboration between frontend and backend squads to ensure the seamless delivery of high-security data visualization tools.

OpenBorder D2C Platform | Backend Lead – Nest.js

- **Spearheaded the full-stack development** of OpenBorder's D2C logistics automation tool using **Next.js, Nest.js, Prisma, and PostgreSQL**.
- This project successfully **reduced the merchant onboarding cycle by over 80%**, directly contributing to increased operational efficiency and business growth.

Education & Certificates

Bachelors in Technology (Computer Science)

Technological Institute of Textiles & Sciences (M.D.U), 2013–2017 – **First Division**

Certifications:

- **AI Associate – Salesforce**
(Focused on ethical AI use, LLM APIs, and intelligent automation)
- **Advanced React APIs – Epic Web**
(Covered Suspense, Server Components, Cache, and Advanced Patterns)