

Deepak Kumar

Engineering Manager · AI Product Engineering

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PROFESSIONAL SUMMARY

Engineering leader with 10+ years of experience building and scaling high-performance web products, leading distributed teams, and delivering AI-powered applications across enterprise and product environments. Brings a rare blend of frontend architecture, people management, stakeholder leadership, and AI product engineering — with hands-on experience shipping copilots, chatbots, live dashboards, and adaptive user interfaces powered by LLM and RAG-based systems.

CORE COMPETENCIES

- Engineering Management & Leadership
- Team Development & Mentoring
- Hiring & Onboarding
- Frontend Architecture (React/Next.js)
- AI Product Engineering (LLM, RAG)
- Performance Optimization
- Agile Delivery & Sprint Planning
- Stakeholder Management
- Cross-functional Collaboration

PROFESSIONAL EXPERIENCE

Chryselys | Assistant Manager, AI Front-end Engineering

Apr 2024 – Present · Hyderabad, India

- Lead web application architecture and manage a team of 10 engineers delivering AI-powered products — including copilots, chatbots, live dashboards, and adaptive UIs — for global pharma clients (Novartis, Merck, Gilead Sciences, Arcutis Biotherapeutics, Stemline Therapeutics).
- Own end-to-end delivery across discovery, architecture, execution, release planning, and post-launch improvements for AI-first product initiatives.
- Architect scalable Next.js micro-frontend platforms powering real-time AI copilots serving 100K+ users.
- Design AI interaction systems involving RAG, token optimization, response streaming, and context-aware interface flows.
- Drive sprint planning, cross-team execution, stakeholder communication, and resource allocation across multiple workstreams.
- Reduced bundle size by 42% and improved LCP from 3.2s → 1.8s through targeted frontend performance optimization.
- Increased test coverage to 85% and cut production incidents by 60% by strengthening engineering quality practices.
- Reduced support tickets by 35% and AI cost by 35% through smarter context handling and product iteration.
- Improved developer productivity by 40% through automation, linting, hooks, and regression guardrails.
- Manage structured 1:1s, growth plans, code reviews, and mentoring for frontend engineers and team leads.

Deccan AI | Engineering Consultant (Frontend)

Dec 2023 – Mar 2024 · Hyderabad, India

- Bootstrapped and led the frontend team for a B2B SaaS AI platform; hired and onboarded 4 engineers in 4 months.
- Established coding standards, workflows, and reusable component foundations from scratch.
- Shipped an MVP dashboard (Next.js, TypeScript, Tailwind) for real-time AI model monitoring for 10 enterprise clients.
- Designed a component system that improved feature delivery speed by 50%.
- Mentored engineers on AI UX patterns, LLM-powered interface design, and token-optimization practices.

Cashfree Payments | UI/Frontend Engineer III

Oct 2022 – Nov 2023 · Bengaluru, India

- Led implementation of core web modules in a high-scale fintech environment serving millions of users.
- Mentored 3–5 junior engineers through code reviews, onboarding, and engineering best practices.
- Coordinated multi-team efforts across backend, infrastructure, and security to deliver scalable web systems.

ARPflow.ai | Technical Lead

Jun 2022 – Sep 2022 · Bengaluru, India

- Drove frontend architecture and implementation for an AI-powered reconciliation MVP for enterprise customers.
- Designed intuitive UX to surface AI-generated results, exceptions, and insights for business users.

Onato | Lead UI/Front-End Engineer

Oct 2021 – May 2022 · Bengaluru, India

- Led frontend architecture for a real-time logistics tracking platform serving 1K+ daily active users.
- Designed WebSocket and optimistic-update architecture, reducing latency from 8s → 1.2s.
- Built a design system across web and React Native, improving feature delivery velocity by 3x.
- Improved Lighthouse mobile score from 42 → 87 in 8 weeks; reduced initial load by 55%.

Cashfree Payments | Senior Frontend Developer

Jul 2019 – Sep 2021 · Bengaluru, India

- Led frontend implementation of payment gateway dashboards for 10K+ merchants.
- Improved page load performance by 45% across critical payment workflows.
- Established code quality standards and peer review practices; mentored junior engineers.

Value Innovation Labs | Senior UI Engineer

Feb 2018 – Mar 2019 · Noida, India

- Led UI implementation for enterprise SaaS products serving 100+ corporate clients.
- Migrated legacy AngularJS codebase to a modern React/Redux architecture.

CodeYeti | UI Developer

Aug 2016 – Dec 2017 · Noida, India

- Built responsive web interfaces across 10+ client projects using React, JavaScript, HTML, and CSS.
- Delivered all projects on time while contributing reusable UI patterns and early MVP development.

TECHNICAL SKILLS

Leadership	Engineering management, team development, hiring, mentoring, stakeholder management, delivery leadership, sprint planning, agile execution
Frontend	React, Next.js, TypeScript, JavaScript, Redux Toolkit, React Query, Zustand, Tailwind CSS, Material UI, micro-frontends, design systems, WebSockets, performance optimization
AI Product	LLM applications, RAG systems, prompt & context design, streaming interfaces, AI copilots, chatbot UX, token optimization, AI-driven product workflows
Quality & DevX	ESLint, Prettier, Husky, testing strategy, CI/CD, code review systems, developer productivity tooling
Delivery	Jira, Agile/Scrum, backlog management, cross-functional coordination, estimation

EDUCATION & CERTIFICATIONS

B.Tech — Computer Science & Engineering

2011 – 2015

Dr. A.P.J. Abdul Kalam Technical University

- A1 – Leading at the Frontline (Management Training Program)
- Project Management Training & Practical Delivery Leadership