

Ankit Kumar Mishra

Engineering Lead | Full-Stack Engineer | JavaScript · TypeScript · React · Next.js · Node.js · PostgreSQL · AWS · LLM & RAG
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Professional Summary

Engineering Lead architecting and scaling full-stack systems for high-traffic **FinTech and RegTech** products: **payments, billing, KYC/compliance**, and the infrastructure underneath them. Owned TechPassport's monetization stack end to end, built from scratch, and **cut API response times by 75–80%** across critical endpoints. Grew from Software Engineer to **Engineering Lead in two years** at Vested Finance, running KYC/Compliance and Premium squads as **de facto product owner**. Mentored **1,000+ developers** as a Subject Matter Expert.

Technical Skills

Languages: JavaScript (ES6+), TypeScript, Python, SQL, HTML5, CSS3
Front-End: React.js, Next.js, Angular, Redux, React Native, Tailwind CSS, D3.js, Vite, Jest
Back-End: Node.js, Express.js, REST APIs, GraphQL, Microservices, Event-Driven Architecture, Kafka
Databases: PostgreSQL, MongoDB, Redis, MySQL, Supabase, Database Optimization
Cloud & DevOps: AWS, Google Cloud (GCP), Docker, CI/CD, GitHub Actions, Firebase, Vercel
AI & LLM: Generative AI, LLM APIs (OpenAI, Anthropic, Gemini), RAG, Vector Databases, AI Agents, Tool Calling, MCP, Evals, Prompt Engineering, n8n
Architecture: System Design, Distributed Systems, Performance Optimization, Full Stack Development
Leadership: Technical Leadership, Engineering Management, Cross-Functional Teams, Agile/Scrum
FinTech Domain: Payments, Payment Gateways, Ledger Systems, KYC Verification, Regulatory Compliance

Professional Experience

Staff Software Engineer — May 2023 – Present

TechPassport, London, UK (Remote)

- Architected and own the **complete monetization stack from scratch**: Stripe payment integration, subscription management, and the full billing schema.
- Cut API response times by 75–80%** through caching strategies, query optimization, and async refactoring across high-traffic endpoints.
- Engineered configurable supplier workflows with buyer-driven dynamic forms and **complex D3.js relational data visualizations**, expanding the product's core analytical capabilities.
- Drive the **full design-to-engineering pipeline** in Figma, shipping **10+ features** end to end from concept to production.

Engineering Lead — Jun 2022 – May 2023

Vested Finance, Berkeley, CA, USA (Remote)

- Led the **KYC/Compliance and Premium Management squads** as engineering lead and **de facto product owner**: scoped roadmaps in the absence of PMs, ran delivery end to end, and owned the platform's entry-point flows.
- Extended onboarding from a single market to global users** by integrating alternate KYC providers and building region-aware compliance and verification flows, unlocking international expansion.
- Shipped **money-movement features** spanning payment processing, **ledger systems**, and curated multi-asset investment collections on a platform handling live investor funds.
- Owned **subscription management** across the product, unifying billing across **Stripe, Razorpay, and Google Play and Apple in-app purchases**.
- Set technical direction for a **5+ engineer squad** inside a **15+ member cross-functional team**: authored system design documents, drove query optimization and structured logging, and mentored engineers through internal training.

Software Engineer / Senior Software Engineer — Jun 2021 – Jun 2022

Vested Finance, Berkeley, CA, USA (Remote)

- Promoted twice in 12 months**; built core KYC, onboarding, and payment features across the platform's entry flows before stepping up to lead the squad.

Software Engineer — Jan 2021 – Jun 2021

GiveIndia, Bengaluru, India (Remote)

- Shipped UI features across **3+ high-traffic donation platforms** and automated notification and database scripts.

Software Engineer Intern — Aug 2020 – Jan 2021

Pratilipi, Bengaluru, India (Remote)

- Built frontend for the platform's **top-rated content discovery feature**, serving **millions of readers**.

Education

Lovely Professional University — 2020

B.Tech in Computer Science & Engineering (CGPA: 9.07/10), Phagwara, Punjab

Awards & Achievements

- Awarded for Driving Ownership Culture** ("Owning the Problem"), Vested Finance, Jan 2023
- 1st Runner Up, All India Research Competition** by IIT Kanpur, Zonal Round, Mar 2020
- 2nd Runner Up, GEEKFIESTA 24-hour coding hackathon** by GeeksforGeeks, Nov 2019