

Manas Shukla

Senior Software Engineer

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PROFESSIONAL SUMMARY

Senior Full Stack Engineer with 4+ years of experience building and scaling production-grade web platforms in fintech and edtech. Strong expertise in React, Next.js, Python, and Django, with hands-on experience designing REST APIs, working with PostgreSQL, and deploying cloud-native systems on AWS. Proven track record of owning end-to-end features across frontend, backend, and infrastructure, building high-performance, data-intensive products, and working in fast-moving, distributed teams.

TECHNICAL SKILLS

Programming Languages: JavaScript (ES6+), TypeScript, Python, HTML5, CSS3

Frontend: React, Next.js, Redux, React Query, Tailwind, Material UI

Architecture & Performance: Design Systems (foundations, tokens, components), Component-Driven Development, Micro-frontends, SSR, ISR, Core Web Vitals (LCP, CLS, INP), Web Performance Optimization, Lighthouse, Accessibility (WCAG, ARIA)

Mobile: React Native (Expo, CLI)

Backend: Python, Django, FastAPI, Node.js, REST APIs, Authentication, Background Jobs

Testing & Quality: Jest, React Testing Library, Pytest, Playwright, Unit & Integration Testing

Cloud & Tooling: AWS, CI/CD, GitHub Actions, Docker, Deployment pipelines, environment management

Monitoring & Analytics: Sentry, Datadog, LogRocket, Analytics (Google Analytics / Amplitude / Mixpanel)

AI-Assisted Development: Claude, GitHub Copilot, Prompt Engineering, AI-Based Code & Test Generation, Automated Documentation, Intelligent Debugging

PROFESSIONAL EXPERIENCE

Senior Software Engineer (Founding Team) - Project Drone

Sept 2025 – Mar 2026 | Remote / Bengaluru | Product discontinued due to strategic business decision

- Owned the KYC onboarding system end-to-end as the technical lead across frontend and backend integration, driving architecture and UX decisions for a business-critical, compliance-sensitive user entry point serving high-volume, transaction-heavy workflows.
- Conducted in-depth competitive analysis of KYC journeys across leading brokerage platforms (Zerodha, Angel One, Upstox, Groww, Dhan) and translated insights into a redesigned onboarding experience focused on reducing friction, minimizing drop-offs, and improving conversion.
- Defined and rolled out organization-wide frontend architecture standards, including a reusable design system and starter templates, improving development velocity, ensuring cross-product consistency, and enabling scalable future growth.
- Role concluded following a strategic business decision to discontinue the product.

Founding Engineer - Ionic Wealth (An Angel One Subsidiary)

Jan 2024 – Sept 2025 | Remote / Mumbai

- Joined as the first engineering hire to build a fintech wealth management platform from zero to production, contributing across product discovery, frontend architecture, backend API development, and production rollout.
- Owned frontend system architecture while working closely with backend services and APIs, defining application structure, engineering standards, and security practices (XSS, CSRF, secure token handling).
- Built and scaled complex, high-traffic workflows including CRM, transactions and mutual fund

- onboarding using React, Next.js, and backend APIs.
- Led migration from a monolithic frontend to a micro-frontend architecture, enabling parallel development and faster, safer releases.
- Built and shipped a React Native mobile app using the same backend platform, ensuring cross-platform consistency and performance.
- Established engineering standards, tooling, and review processes, mentoring junior engineers and improving overall code quality and delivery velocity.

Software Engineer - Unacademy

Jan 2022 – Jan 2024 | Bengaluru

- Contributed to building and scaling Unacademy VIP, a premium subscription-based learning platform, working across frontend, backend APIs, and system integrations.
- Designed and implemented a self-serve subscription management system for upgrades, renewals, and cancellations, significantly reducing operational overhead and reliance on manual support.
- Built and maintained RESTful APIs using Django and a responsive frontend using Next.js, delivering a consistent, cross-device learning experience.
- Integrated live class infrastructure and optimized real-time learning workflows, improving session reliability and learner engagement at scale.
- Led deep React performance audits, identifying and resolving rendering and data-fetching bottlenecks to improve page load times by ~70% and enhance responsiveness on low-end devices.
- Engineered a cloud-based storage and video transcoding pipeline, optimizing video delivery and improving playback consistency across varying network conditions.

PROJECTS

CRM & Client App (Web & Mobile) - Ionic Wealth

- Built and scaled a production-grade CRM and client-facing application supporting internal operations and end-user workflows.
- Improved modularity, maintainability, and delivery speed by applying scalable frontend architecture patterns and shared engineering standards.

VIP - Unacademy

- Contributed to building and scaling Unacademy VIP, a high-traffic premium learning platform, designing and implementing a self-serve subscription management system that enabled upgrades, renewals, and cancellations while significantly reducing customer support dependency.
- Built a responsive, production-grade frontend using Next.js and integrated live learning workflows to support reliable, real-time classes at scale across devices.

Scenes Community Platform - Unacademy

- Worked on Scenes, a B2B white-labelled, community-driven SaaS platform focused on user engagement and interaction.
- Led React performance optimization, conducting audits, profiling, and refactoring to resolve bottlenecks, improving load times by ~80% and significantly enhancing responsiveness and stability on low-end devices.

EDUCATION & CERTIFICATIONS

Bachelor of Computer Applications (BCA)

University of Lucknow | 2020 – 2023 | CGPA: 9.7 / 10

Certifications

- Backend Engineering Cohort (Cohort 1) — Airtribe | Aug 2023
- IBM Cloud Essentials & Advanced – V3 — IBM | May 2021
- Python for Data Science — IBM | May 2021