

Mustafa Mallebhari

heymustafa.work@gmail.com • [LinkedIn](#) • [GitHub](#) • [Twitter](#) • [Portfolio](#)

SUMMARY

Full-stack developer focused on building AI-powered developer tools and production-ready systems that help teams ship faster and safer. I've worked in startup environments owning features end-to-end, combining strong engineering fundamentals with thoughtful system design and real-world execution.

PROFESSIONAL EXPERIENCE

[Blok Capital](#) - Founding Engineering

- Built the entire company website, internal app UI, and documentation portal from scratch, ensuring seamless UX and responsive design.
- Developed **brand guidelines** and implemented frontend & backend features using NextJS, TypeScript, Tailwind CSS, and Docusaurus.
- Worked closely with non-technical stakeholders to ship UI and internal tooling, reducing dependency on engineers for routine changes.

Mar'25 - Sept'25
Remote

SKILLS

- **Languages:** JavaScript, TypeScript, Python, Java, Rust, SQL
- **Frontend:** React.js, Next.js, Tailwind CSS, TanStack
- **Backend & Systems:** Node.js, PostgreSQL, MongoDB, Prisma, REST & event-driven APIs, WebSockets, Kafka Data ingestion pipelines, PDF parsing, schema design for messy public data
- **AI, Cloud & Infra :** LLM integrations, AI-assisted data extraction & document Q&A systems , AWS, Docker, Kubernetes, CI/CD, Git, Bash

PROJECTS

[AI Mindmap Canvas](#)

- Built a spatial AI interface on an infinite pan-and-zoom canvas where conversations are represented as connected nodes, allowing users to visually branch, explore, and organize ideas instead of using a linear chat thread.
- Designed a scalable node-based architecture with persistent graph storage, saving nodes, edges, positions, and metadata so the entire canvas state restores exactly across sessions.
- Implemented high-performance rendering for large graphs using viewport-based lazy loading that renders only visible nodes and edges, keeping interactions smooth even with complex mindmaps.
- **Tech stack:** Next.js, TypeScript, React Flow, Dagre, Zustand, MongoDB, Gemini API, Tailwind CSS.

[Bolty \(AI coding assistant\)](#)

- Built an AI-powered development environment that turns natural-language prompts into working React applications with live previews and code editing.
- Implemented real-time project execution using Sandpack, workspace saving via Convex, PayPal payments, and a polished UI using Framer Motion, GSAP, and shadcn/ui.
- **Tech stack** - Next.js, Tailwind CSS, Convex, Sandpack, Google OAuth, PayPal API, GSAP, Framer Motion, JavaScript

[Zapy \(Automation platform\)](#)

- Built a distributed, event-driven automation system (Zapier-like) with workflow triggers for webhooks, emails, Solana actions, and Ethereum transactions using Wagmi + Viem.
- Architected 5 microservices communicating through Kafka, with PostgreSQL + Prisma for workflow storage and a full dashboard built in Next.js.
- **Tech stack** - Next.js, Node.js, Kafka, PostgreSQL, Prisma ORM, Solana Web3.js, Wagmi + Viem, Docker, TypeScript

EDUCATION

Bachelor of Computer Application
Savitribai Phule Pune University
CGPA 9.2

June'23 – May'26 (Expected)
Pune, India