# Sarthak Chaudhari

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## Summary

Full Stack Developer skilled in **Next.js, TypeScript,** with expertise in **DevOps, system design, AI tools**. End-to-end builder with expertise in system design, scalable web apps, and real-time collaboration.

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## Technical Skills

- **Frontend:** Next.js, React.js, Tailwind CSS, Redux, TanStack
- **Backend:** Node.js, Express.js, Socket.io
- **Databases:** MongoDB, Prisma, Mongoose, Convex, Redis
- **Cloud & DevOps:** AWS (S3, SQS, ECS), Docker
- **AI/Other Tools:** LangChain, LangGraph, Clerk

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## Projects

### Collabify – End-to-End Project Management Tool (Notion + File Manager + Excalidraw) | [Github](#)
**Tech Stack:** Next.js, TypeScript, Clerk, Prisma, MongoDB, Convex, Redux, TanStack, AWS S3, Winston, shadcn/ui

- Built a unified project management platform combining Notion-style documentation, a file manager, and Excalidraw-powered diagramming.
- Implemented real-time collaboration with Convex & Redux for seamless team workflows.
- Integrated file storage with AWS S3 and secure authentication with Clerk.

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### Streams – Video Transcoding & Streaming Pipeline | [Github](#)
**Tech Stack:** Next.js, TypeScript, MongoDB, Mongoose, AWS S3, AWS SQS, AWS ECS, Docker, Clerk, Video.js

- Developed a scalable video pipeline enabling upload, transcoding, and multi-format streaming.
- Used ECS + SQS to run distributed video transcoding jobs, generating HLS playlists and MP4 formats.
- Integrated Video.js player with adaptive HLS streaming, supporting multiple resolutions.
- Designed secure S3 storage architecture with structured video metadata in MongoDB.

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### ExcalidrawAI – AI-Powered Diagram Generator (Cursor for Excalidraw) | [Github](#)
**Tech Stack:** Next.js, TypeScript, LangChain, Groq, Prisma, MongoDB, TanStack, Redux

- Built an AI-assisted diagramming tool that generates flowcharts and technical drawings from natural language prompts.
- Designed a LangChain pipeline for classification, prompt parsing, and Excalidraw DSL generation.
- Integrated Groq LLM for fast AI inference, ensuring valid JSON output with strong type safety.
- Added real-time diagram rendering with Redux for interactive updates.