

Ayush Dixit

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Summary

Full-stack developer skilled in building **robust, scalable web applications** using **Next.js**, **Node.js**, and **MongoDB**. Passionate about solving **complex problems** and delivering **high-performance solutions**. Experienced in developing **end-to-end systems** with **clean, maintainable code**.

Technical Skills

- **Programming Languages:** JavaScript, TypeScript, Python, Java, SQL
- **Frontend:** React.js, Next.js, Tailwind CSS, Redux, React Query, Zustand
- **Backend:** Node.js, Express.js, RESTful APIs, WebSockets
- **Databases:** MongoDB, PostgreSQL, Redis
- **Messaging & Streaming:** Apache Kafka, RabbitMQ, Redis Pub/Sub
- **DevOps & Tools:** Git, GitHub, GitHub Actions (CI/CD), Docker, NGINX, Postman
- **Cloud & Hosting:** AWS (EC2, S3, Lambda), Vercel

Experience

Full Stack Web Developer

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Onsite

June 2023 – Dec 2024

- **Integrated third-party APIs** into web applications for additional features and functionality.
- **Troubleshoot complex issues** related to front-end, back-end, databases, and servers.
- **Deployed web applications** to production environments using cloud services such as AWS, GCP, and DigitalOcean.
- **Managed both back-end and front-end** aspects of the development process.

Projects

Scalable Realtime ChatApp

[Live Demo](#) [🔗](#)

- **High-performance chat app** with instant messaging, typing indicators, read receipts, and group chat features. Built on a **scalable backend** for seamless real-time interaction.
- **Features:** Google Auth (NextAuth), real-time online/offline, 1-on-1 & group chats with typing indicators & message deletion, real-time image/video sharing, user block/unblock, group management.
- **Tech Stack:** Next.js, Socket.IO, Node.js, MongoDB, Redis, Docker, AWS, RabbitMQ

Video Transcoder Service

[Preview](#) [🔗](#)

- Automated **video transcoding pipeline** handling uploads, processing, and delivery with real-time job queuing and error handling. Designed for scalability and seamless AWS S3 integration.
- **Features:** Transcodes videos into **multiple resolutions** using FFmpeg, queues jobs with RabbitMQ, and handles files via AWS S3.
- **Tech Stack:** Node.js, Express, RabbitMQ, FFmpeg, AWS S3

AI-Powered Docs Simplifier

[Live Demo](#) [🔗](#)

- Docs assistant that **scrapes and simplifies technical content** using LLMs, maintaining user context for better follow-ups. Enhances developer onboarding with easy-to-understand explanations.
- **Features:** Doc scraping, custom LLM simplification, context-aware chat.
- **Tech Stack:** Next.js, Express, Cheerio, Google Gemini, Qdrant, MongoDB, Docker