Ajay Krishna Pathak

Full Stack Developer — India

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Professional Summary

Full Stack Developer with 2.5+ years of experience in scalable software using MERN stack, Next.js, and NestJS, along with 1.5 years of freelancing experience. Skilled in high-performance systems, frontend leadership, and CI/CD pipelines. Proven ability to deliver technical solutions across e-commerce, healthcare, and enterprise platforms.

Technical Skills

Frontend: React, Next.js, JavaScript, TypeScript, Tailwind CSS, ShadCN UI, Storybook, Framer Motion, HTML5, CSS3, Bootstrap, jQuery, GSAP

Backend: Node.js, NestJS, Express.js, MongoDB, MySQL, Firebase, REST APIs, GraphQL, Prisma ORM, Puppeteer, Langchain, Fast Api, Python

Tools: Git, GitHub, GitLab, VSCode, Figma, Postman, npm, Yarn, Chrome DevTools, JIRA, Docker

Other: Web scraping, UI Animation, SEO Optimization, CI/CD Pipeline, Web socket, Deployment (Vercel, Netlify), AWS, AI Agent, Deepgram (STT), ElevenLabs (TTS), Open AI (STT, TTS, LLM), Gemini(LLM)

Professional Experience

- **Freelance Developer** — Jan 2025 – Present
  Full Stack Developer — *India*
  - Designing and building a real-time **Voice Intelligence Platform** that combines LLMs (OpenAI, Gemini) with the LangChain framework to enable context-aware, multi-turn conversations.
  - Integrating advanced **speech-to-text** (Deepgram) and **text-to-speech** (ElevenLabs) engines to create natural, human-like conversational agents capable of live interactions.
  - Developing a **chat modal** that operates in real time, enabling seamless back-and-forth dialogue between users and AI agents.
  - Engineering a **portal for users and companies** to generate and manage interviews—supporting scheduling, candidate evaluation, and extensibility with external libraries for analytics and workflows.

- **Sunasho Technologies** — Mar 2023 – Jan 2025
  Full Stack Developer — *India*
  - Built price comparison tool with Puppeteer + Node.js, processing 150k+ products weekly using retry & queue mechanisms.
  - Revamped Dentalkart with Next.js + Tailwind, improving Core Web Vitals by 40% and boosting SEO.
  - Developed admin portal with NestJS + React, enabling role-based authentication, audit logs, and analytics dashboards.
  - Prototyped real-time speech-to-text using AWS Transcribe for healthcare use cases.
  - Integrated CI/CD pipelines on GitLab & Docker, reducing deployment time by 30%.

- **Independent Projects** — Aug 2021 – Mar 2023
  Freelance Developer — *Remote*
  - Developed MERN-based e-commerce platform with JWT authentication, optimized MongoDB queries for 50k+ products, and integrated Razorpay payments.
  - Built custom admin panels with CRUD, RBAC, and middleware logging for better maintainability.
  - Created billing software with responsive UI (Bootstrap) and lightweight Node.js + MongoDB backend.
  - Deployed projects on Vercel/Netlify & AWS EC2, ensuring high availability and scalability.

Education

- **Institute of Engineering & Technology, Lucknow** — Oct 2021 – Jul 2023
  MCA

- **IISE College, Lucknow** — Jun 2018 – Oct 2021
  BCA

Open Source & Extras

- **GitHub**: AjaxStepGit; contributions to Apache/Graviton and GSAP workflows.
- **YouTube**: Created content on animations and UI design systems.