

Prakhar Sharma

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PROFESSIONAL SUMMARY

Full Stack Engineer experienced in building scalable MLOps and Agentic AI platforms using React.js, Node.js, and Kubernetes. Skilled in multi-tenant architectures, MCP server deployments, AI agent integration, and workflow automation. Experienced in building file management systems and conversational AI features with focus on scalability, performance, and reliability.

TECHNICAL SKILLS

- **Language:** JavaScript, Typescript
- **Backend:** Node.js, Express.js, REST APIs
- **Frontend:** React.js, Next.js, Tailwind CSS
- **Databases:** MongoDB, PostgreSQL
- **System Design:** Scalability, Caching (Basics), Event-Driven Architecture, Distributed Systems (Basics)
- **CI/CD & Tools:** Kubernetes, Docker, MCP Servers, AI Agents, Git, GitHub, Jira

EXPERIENCE

- **Katonic AI** June 2025 – Present
MERN Stack Engineer, Remote
 - Developed scalable **MLOps and Agentic AI platform features** using React.js, Node.js, and Kubernetes infrastructure.
 - Contributed to the migration from **single-tenant to multi-tenant architecture**, improving scalability and resource utilization.
 - Deployed and integrated **MCP servers with AI agents** to enable tool calling and workflow automation.
 - Built file management and conversational AI features while improving platform **performance and stability**.
- **Katonic AI** Jan 2025 – May 2025
Full Stack Intern (Internship), Remote
 - Developed scalable **full stack AI applications** using Generative AI technologies and modern web frameworks.
 - Collaborated with teams to build scalable solutions for AI-driven platforms and workflows.
 - Built responsive interfaces using **React.js and Next.js** for AI-driven platforms.
 - Built a centralized **file manager system** using MERN Stack, NFS, and Kubernetes for scalable dataset storage.

PROJECTS

- **Nexus AI**  Jan 2026 – Feb 2026
 - Built **Nexus AI**, a full-stack AI chat application using React, Vite, Express.js, and MongoDB with OpenAI API integration.
 - Implemented chat history, authentication, and scalable MongoDB data models for users and transactions.
 - Integrated a **Stripe payment and credits system** with webhook handling for SaaS-style workflows.
 - Designed a modular client-server architecture for scalable production deployment.
- **JobVault**  Jun 2026
 - Built **JobVault**, a full-stack job tracking application using Next.js, React, TypeScript, and MongoDB with a drag-and-drop Kanban board.
 - Implemented **authentication, session management, and real-time CRUD operations** using better-auth and server actions.
 - Developed a responsive and modern UI using **Tailwind CSS, shadcn/ui, and Radix UI**.

EDUCATION

- **Oriental Institute of Science and Technology, Bhopal** Oct 2021 – May 2025
B.Tech in Computer Science and Engineering (CGPA: 7.2/10)

CERTIFICATIONS

- Google IT Support Professional Certificate
- Cloud Computing (NPTEL)