

Manish Khulbe

+91 89798-20182 Portfolio manishkhulbe123@gmail.com linkedin github Medium

PROFESSIONAL SUMMARY

Full-Stack Developer with 3.5+ years of experience building scalable, secure, and high-performance web applications. Proficient in modern JavaScript/TypeScript frameworks and cloud-native architecture. Having experience integrating GenAI solutions and developing front-end and robust back-end systems for microservice environments. Passionate about delivering intelligent, user-centric applications.

TECHNICAL SKILLS

Programming Languages: JavaScript/TypeScript, HTML/CSS, Python

Libraries and Tools: Next.js, Node.js, React.js, Nest.js, Material-UI, TailwindCSS, Bootstrap, Redux, React Query, PrismaORM, Mongoose, Unit Testing, Jest, Playwright, Sanity CMS, Shadcn

DevOps: AWS, Docker, Serverless, Git/GitHub, Linux, CI/CD, Lambda

Database: MongoDB, Redis, SQL

WORK EXPERIENCE

SDE-2 [Full-stack Developer]

[Mobcoder](#), Noida, India

2022 - present

- Built an **AI-powered voice assistant using GenAI** to provide medical guidance and generate personalized reports with symptom-based recommendations and doctor suggestions
- Developed a secure encryption-decryption **NPM package** using GCP Secret Manager, KMS, and envelope encryption for **microservices architecture**.
- Implemented a **GenAI-based** document analysis agent that auto-filled complex forms, improving processing time by 50–60% and enhancing user experience.
- Integrated Redis caching and optimized MongoDB queries using aggregations and views, resulting in a reduction in database load by 25% and improve response time by 30%.
- Using industry-leading techniques to develop a scalable and robust backend architecture, including graceful shutdown procedures and leveraged the full power of the Node.js server through **clustering, worker threads** and API unit testing.
- Redesigned Desyr fashion reviews app with styled-components and styled-system, achieving high LightHouse scores, Resulted in 32% performance boost for desktop and 25% for mobile devices, created **config driven UI**.
- Led backend architecture and database design for secure banking app with end-to-end encryption. API rate limiting, MongoDB transactions, automated backups, and utilized Redis for fast login and Swagger for Documentation, reducing maintenance by 25% and improving scalability.
- Automated interview scheduling via **Google Calendars API**, allowing interviewers to mark candidates calendar. Included automatic Google Meet scheduling for selected dates, email invitations, and 20-minute before reminders with pop-up, reducing HR workload by 20% and benefiting both company and candidates.
- Worked on a distributed microservices application, incorporating an event bus implementation and leveraging cutting-edge technologies such as **Docker, Kubernetes, and AWS**
- Migration from legacy architecture to **serverless architecture**, enhancing scalability and reducing 70% infrastructure costs.

PROJECTS

- AstroLabs** | Next.js, Sanity CMS, Node.js, GenAI, Gemini, Inngest, shadcn/ui, TailwindCSS, Microservices
Built a GenAI-powered document analysis agent and developed an envelope-encryption-based package for secure microservices communication. Resolved critical system failure caused by concurrent invoice generation by Implementing a BullMQ-based queuing system, improving stability under load. [See site](#)
- R2P (Meliora Medical)** | Nest.js, AWS Lambda, Serverless, TypeScript, AWS Cognito, Microservices, Next.js, Inngest, Assembly AI
Designed and deployed an AI-powered doctor voice agent using GenAI and AssemblyAI, enabling real-time symptom interaction and personalized medical guidance. Designed scalable back-end modules and front-end integrations. [See site](#)
- Invoicemart [Axis Bank]** | React.js, Material-UI
Contributed to building UI components for a Trade Receivables Discounting System (TReDS) platform to streamline MSME financing and reduce credit delays. [See](#)

EDUCATION

Galgotias University

MCA

Noida, India

2020 - 2022

Kumaun University

B.sc (Computer Science)

Nainital, Uttarakhand, India

2017 - 2020

ACHIEVEMENTS/CERTIFICATION

- Mobcoder's Most Improved Performer [Star Performer of the Year (2023)]**
- HackerRank Certification(JS, RestAPI, Node, React)**
- M320 MongoDB Data modeling, M150 Authentication and Authorization, A131 Intro to MongoDB Charts, M201 MongoDB Performance**