

KHUSHBOO CHAUDHARY

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PROFESSIONAL SUMMARY

Full Stack Developer experienced in building scalable production web applications across frontend, backend, and cloud infrastructure. Skilled in developing SaaS platforms, optimizing system performance, and implementing secure real-time systems. Strong experience with React, Next.js, TypeScript, Node.js, Java and modern backend architectures with a focus on reliability, maintainability, and performance.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Java, Python

Frontend: React.js, Next.js, TanStack Query, Redux, Tailwind CSS, HTML, CSS

Backend: Node.js, Express.js, NestJS, Spring Boot, Spring, REST APIs, GraphQL

Databases: MongoDB, MySQL, PostgreSQL, Supabase, Prisma ORM

Cloud & DevOps: AWS, GCP, DigitalOcean

Tools: Git, Docker, Redis, BullMQ, WebSockets, CI/CD Pipelines

WORK EXPERIENCE

Full Stack Developer — GreyAxis

Feb 2025 – Present

- Contributed to development of the **Ruta Workforce Management Platform**, a multi-role SaaS system supporting customers, administrators, and field crews using React, TypeScript, NestJS, Prisma, Supabase, and GCP.
- Developed scalable frontend modules and integrated them with backend APIs, improving maintainability and accelerating feature delivery.
- Implemented **authentication and role-based access control (RBAC)** enabling secure multi-role access across customer, admin, and crew applications.
- Improved real-time job updates and crew activity tracking, contributing to approximately **30–35% improvement in operational workflow efficiency**.
- Built reusable UI components and improved frontend architecture to reduce code duplication and improve long-term maintainability.
- Designed and implemented a **secure real-time chat system** using NestJS, MongoDB, Redis, BullMQ, and WebSockets.
- Integrated **end-to-end encryption using the Signal Protocol** to ensure secure message delivery without plaintext storage.
- Improved message throughput and background processing reliability by approximately **50%** using Redis-based queues and worker processes.
- Containerized backend services using Docker for consistent development and deployment.
- Contributed to the enhancement and revamp of the **Teedex image and jersey automation platform** built with React, TypeScript, TanStack Query, Express, and MySQL.

- Refactored frontend architecture and optimized Polotno-based rendering workflows to improve design generation performance and reduce manual design effort.

Junior Software Developer — Syscon Infotech Pvt. Ltd.

May 2024 – Oct 2024

- Assisted in developing logistics management tools and internal dashboards using **Next.js, Node.js, and MongoDB**.
- Refactored legacy frontend components under senior guidance, reducing frontend bundle size by approximately **20%**.
- Built dashboards displaying real-time operational data to improve visibility for internal teams.
- Collaborated with backend engineers and QA teams to debug production issues and optimize API performance, improving response time by approximately **30%**.

PROJECTS

Secure Real-Time Chat Application

- Designed and built a scalable messaging system supporting encrypted communication and real-time delivery.
- Built backend architecture using **NestJS, MongoDB, Redis, and WebSockets** for real-time messaging.
- Implemented **end-to-end encryption using the Signal Protocol** to ensure messages are never stored in plaintext.
- Implemented Redis Pub/Sub and background job workers for scalable message processing.
- Added rate limiting and queue-based message processing to improve reliability under concurrent usage.

EDUCATION

Master of Computer Science — University of Mumbai

2022 – 2024

Bachelor of Science (Mathematics) — Annasaheb Vartak College
CGPA: 8.93

2019 – 2022

CERTIFICATIONS

Python for Data Science — ExcelR
Full Stack Web Development — ExcelR
Generative AI — Microsoft & LinkedIn
Statistics — University of Mumbai