

Gaurang Chetanbhai Khambhaliya

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PROFILE

Full Stack Engineer with experience building scalable web applications using React.js, Next.js, Django, and TypeScript. Contributed to high-availability e-learning platforms serving 100,000+ users, focusing on frontend development, REST API integration, authentication systems, and performance-oriented architecture. Experienced in developing production-grade modules including coding platforms, role-based access systems, and real-time features. Passionate about scalable backend systems and building reliable user-centric products.

SKILLS

Programming Languages: Python, JavaScript, TypeScript

Frontend Development: React.js, Next.js, Tailwind CSS, Material UI, Redux Toolkit, TanStack Query

Backend Development: Django, Django REST Framework, Node.js, Express.js

Database & Caching: PostgreSQL, MySQL, MongoDB, Redis

Asynchronous & Event-Driven Systems: Celery, Kafka, WebSockets, Socket.io

DevOps & Tools: Docker, Git, GitHub Actions, Postman, Nginx, Linux

Architecture & Concepts: REST APIs, Authentication & Authorization, RBAC/ReBAC, Caching, Background Jobs, System Design Basics, OOP, DSA

WORK EXPERIENCE

Software Engineer, DRC Systems India Ltd 01/2025 – present | Gandhinagar, India

- Developed frontend features for a high-availability e-learning platform using **React** and **TypeScript**, delivering scalable and responsive user interfaces for 100,000+ active users.
- Built reusable UI components, integrated **REST APIs**, and contributed to **Docker**-based development, deployment, and environment management workflows.
- Contributed to the development of a Learning Experience Platform (LXP) on Open edX, implementing advanced MFE-based course authoring and relationship-based access control (**ReBAC**).
- Implemented an in-browser code editor using **Monaco** Editor and **Judge0** API for real-time coding assessments.
- Participated in platform maintenance by resolving **SonarQube** issues, applying security patches, supporting **version upgrades**, and following scalable frontend engineering practices.

Web Development Associate, Trakky Techno Services Pvt. Ltd. 07/2023 – 12/2024 | Ahmedabad, India

- Worked on various modules including user-based, admin-based, and POS systems, developing **responsive components** and ensuring performance consistency.
- Utilized skills in **React.js**, **Next.js**, **CSS**, and **Tailwind**; worked with component libraries like **Material UI** and packages such as **Redux Toolkit**, **Swiper**, and **Quill**.
- Collaborated with backend teams on API integration, ensuring seamless functionality and efficient data management.
- Engaged in agile development practices, delivering high-quality, SEO-friendly code.

EDUCATION

Bachelor of Technology, L.J. Institute of Engineering and Technology 09/2021 – 06/2025 | Ahmedabad, India
CGPA : 8.67

HSc, Jawahar Navodaya vidyalaya 2019 – 2021 | Bhavnagar, India
Percentage : 92.6%

PROJECTS

Expense Sharing & Debt Settlement Platform 🔗

- Developed a scalable full-stack expense-sharing platform using **React**, **TypeScript**, **React Query**, **Django REST Framework**, and **PostgreSQL** for group-based expense tracking and debt settlement.
- Implemented equal, exact, and percentage-based expense splitting with balance reconciliation and debt simplification algorithms.
- Built group management, member invitations, activity tracking, and granular role-based access control.
- Utilized **Docker** for containerization, **Redis** for balance calculation caching, and **Celery** for asynchronous background tasks and notifications.

BlabBurst - Chat App 🔗

- Created using the **MERN** stack with **JWT** authentication for security.
- Features real-time messaging with **Socket.io** and high-quality video calls enabled by **Simple-peer**.
- Utilizes **Cloudinary** for efficient storage and management of images, enhancing the application's functionality.