

Rahil Kalola.

Software Engineer | Web Developer

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Experience

Squad Technologies Pvt Ltd. - Junior Developer

Full Stack Developer

Feb. 2023 - June 2023

- Built and deployed a **full-stack** web **feature** enabling **real-time** booking and order management, reducing manual workflows by 40%.
- Developed and maintained over 10 responsive **React.js** components used across multiple internal tools.
- Designed **RESTful APIs** in **Node.js** and **Express** that handled over **500 requests/day** with optimized database **queries** in **MongoDB**.
- Collaborated with a team of 5+ engineers to debug, profile, and improve app load times by ~30% through **SSR** and caching with **Next.js**.
- Authored internal documentation and assisted in **code reviews**, contributing to improved onboarding and team velocity.

Technook - Internship

Full Stack Developer

Aug. 2022 - Sept 2022

- Worked on ongoing project under guidance.
- UI Implementation and API integration.
- Implemented **backend** in **NodeJS**, **Express** and **MongoDB**.
- Implemented **frontend** in **ReactJS**, **Bootstrap**.

Camplin Tech. - Internship

Full Stack Developer

June. 2022 - July 2022

- Review the project activities for compliance with SOPs.
- UI** Implementation from design file.
- API** integration.
- Internal communication with **backend** team.
- Bug fixes.

Projects

Slack Clone – Real-time Messaging App

Full Stack Developer

May. 2025

- Building a Slack-inspired messaging platform with real-time capabilities using **Convex** for **backend-as-a-service** architecture.
- Designed and developed a responsive **UI** using **React** and **Tailwind CSS**, including core features like channel lists and chat layout.
- Integrated **Auth.js** to enable user **sign-up/sign-in** and session management.
- Leveraged **Next.js** features such as routing and **server-side rendering** for improved structure and **performance**.
- Focused on modular, maintainable code to support future expansion and **functionality** (e.g., file sharing, notifications).

Discord – Real-Time Voice & Chat App

Full Stack Developer

Feb. 2025

- Engineered a multi-channel real-time communication platform with support for text and voice interactions.
- Structured the **database** using **Prisma ORM** and **MySQL** for **scalable** and **maintainable data management**.
- Implemented server components with **Next.js** 13 App **Router** for performance optimization and modular design.
- Built a **responsive** and **interactive UI** with **Tailwind CSS** and reusable component patterns.
- Handled authentication, server/channel creation, and basic role management.

Learning Management System (LMS)

Full Stack Developer

Dec. 2024

- Built an LMS platform supporting course creation, enrollment, and video-based learning content.
- Integrated **Stripe** for secure payment processing and subscription management.
- Used **Mux** for uploading, streaming, and managing video content with custom playback controls.
- Managed relational data (users, courses, modules) using **Prisma** and **MySQL**.
- Designed a clean, responsive **frontend** with **React** and **Tailwind CSS**, focusing on user experience for both instructors and students.

CRM(Customer Relationship Management)

Fullstack Engineer

Feb. 2022

- 3rd-year group project in college, where we build a **CRM** (Customer Relationsho Management) software for companies.
- Frontend** implemented using **React** and **Styled Components**. **Backend** implemented using **NodeJS** and **MongoDB**. Also, use **sockets** for **real-time** communication.
- Implement **Authentication** and Role-based **Authorization**.

Education

Hochschule Schmalkalden

Oct.2024 - Sept.2026

Masters in Applied Computer Science

Gandhinagar Institute of Technology - GTU

June.2019 - July 2023

B.E Information Technology

Skills / Tools

Programming	JavaScript, Python , C++ (Basics)
Web	HTML, CSS, JavaScript, ReactJs, NodeJs, NextJs, MySQL
Tools	Git - VsCode
Database	MongoDB
Languages	English, German Basics (A2), Gujarati, Hindi