Rahul Rai

FullStack Engineer

Sector 63, H Block - 201309, Noida
+919648772088
rrai06125@gmail.com

PROFILE

Full Stack Developer with 4+ years of experience building high-performance web and mobile applications. Skilled in React.js, React Native, Django, Python, SocketIO, and Payment Gateway Integration i.g (Razorpay, Stripe) with a strong grasp of MySQL, MongoDB, Redis, and Celery task queues. Experienced in server management and deploying apps on both the Play Store and App Store. Passionate about crafting scalable solutions, optimizing performance, and delivering seamless user experiences.

KEY ACHIEVEMENTS

- Built and deployed **10+ production-grade web & mobile applications**
- Designed systems handling **thousands of concurrent users**
- Reduced API latency by **40% using Redis & Celery**
- Published apps on **Google Play Store & Apple App Store**
- Implemented **payment systems (Razorpay/Stripe)** processing real transactions

EXPERIENCE

SHEPPLE TECHNOLOGIES, DELHI — *SOFTWARE DEVELOPER*

JUNE 2021 - AUGUST 2025

- Developed and maintained web applications using React.js and Django, enhancing performance and user experience.
- Built and deployed mobile applications using React Native, ensuring seamless functionality on both iOS and Android.
- Designed and optimized MySQL databases, improving query performance and data integrity.
- Integrated Redis for caching and Celery for background task processing, reducing API response times by 40%.
- Managed server deployment and maintenance on AWS/Digital Ocean, including security configurations and monitoring.
- Successfully published multiple applications on the Google Play Store and Apple App Store.
- Collaborated with cross-functional teams to ensure smooth development and deployment cycles.

NATIONALITY

Indian

LINKS

- [Portfolio](#)
- [Blog](#)
- [LinkedIn](#)
- [Github](#)
- [Geeks for Geeks](#)
- [Hackerrank](#)
- [Medium](#)
- [Codechef](#)
- [Codeforces](#)

SKILLS

FRONTEND: HTML, CSS, BOOTSTRAP, TAILWINDCSS, JAVASCRIPT, REACT JS, REMIXJS, React Native, MATERIAL UI, ANT DESIGN, SHADCN, REACT POLARIS (SHOPIFY), ZUSTAND, REDUX, CONTEXT API, LOTTIE.

BACKEND: PYTHON, DJANGO, NODE, EXPRESS, PRISMA, GIT, GITHUB, NGNIX, POSTMAN, OAUTH, SOCKETIO, WEBRTC, REDIX.

MOBILE APPLICATION: REACT NATIVE, REACT NATIVE ELEMENTS, REACT NATIVE PAPER, GOOGLE MAPs INTEGRATION, PUSH NOTIFICATION.

SERVER MANAGEMENT: NGINX, APACHE2, AWS, EC2, S3 BUCKET, CLOUDFRONT, MYSQL,

MONGODB.

Infoventive Technologies, NOIDA — *FULLSTACK ENGINEER*

DECEMBER 2020 - MAY 2021

- Developed RESTful APIs using Django REST Framework to handle complex business logic.
- Implemented state management solutions using Redux for optimized frontend performance.
- Designed and integrated authentication mechanisms, including OAuth and JWT.
- Conducted code reviews to ensure best practices and enhance efficiency and reliability.
- Worked on enhancing mobile app UI/UX and resolving performance bottlenecks.

EDUCATION

Himalayan Institute of Technology & Management, Lucknow — *B Tech (Bachelor of Computer Science)*

JULY 2022 - JUNE 2025

It is an engineering institution offering industry-oriented technical education. I completed my B.Tech in Computer Science, gaining strong foundations in programming, data structures, databases, and software development.

Chhatrapati Sahuji Maharaj Govt Polytechnic College, Ambedkar Nagar — *Polytechnic (Diploma in IT)*

July 2017 - June 2020

Government-recognized polytechnic institution known for strong technical education and practical training in engineering disciplines.

PROJECTS

PREPLUS — *An Event Management APP*

January 2025 - July 2025

Role: Full-Stack Developer

Preplus is a large-scale ed-tech and event management platform comprising a mobile application (published on Google Play Store) and a web application hosted on a VPS, designed to manage educational and motivational programs across colleges and schools.

The system implements a hierarchical multi-role architecture including Trainer, Motivator, Manager, Team Lead, Zonal Head, State Head, Admin, and CEO, enabling region-wise coordination and controlled access.

🔑 Key Features:

- **Role-Based Access Control (RBAC)** for multi-level operational management
- **Event & program management system** where managers onboard institutions and trainers/motivators conduct events
- **Automated ticket generation** upon user enrollment in a program
- **QR code–based ticket validation system**, integrated with the mobile app using an in-app QR scanner for on-site verification
- **Digital ID card generation** for users
- **Automated certificate generation** post event completion
- **Location detection & verification** using **Google Maps SDK**
- **Wallet & revenue-sharing system** to distribute earnings based on participation
- Secure authentication, admin dashboards, and real-time data handling

Everest Fleet—CRM (A telecaller ecosystem).

March 2024 - September 2025

🌐 Website:https://crm.everestfleet.com/

Everest Fleet is a comprehensive fleet management system designed to streamline operations, optimize resource allocation, and enhance efficiency. This platform provides robust features for real-time monitoring, data analytics, and automation.

Technology Used: React, Redux, Django, Python, Tailwind CSS, MySQL, Ant Design, Celery, Redis, Pandas, Ameyo (IVR Integration), SocketIo.

🔑 Key Contributions & Features

- **Fleet Operations Management:** Designed systems to manage vehicle assignments, maintenance schedules, and driver performance tracking.
- **Real-Time Monitoring:** Implemented live updates using Socket.IO for operational visibility.
- **Telecaller Ecosystem Integration:** Integrated Ameyo (IVR & call management system) to support outbound/inbound calling, lead handling, and customer interactions.
- **Automated Background Processing:** Utilized Celery and Redis to handle asynchronous tasks, scheduled jobs, and workflow automation.
- **Data Analytics & Reporting:** Leveraged Pandas for data processing and generation of actionable operational reports.
- **Scalable Architecture:** Built a high-performance backend using

Django & MySQL, with a modern, responsive frontend using React, Redux, and Ant Design.

BIZFLOWSYNC — *An Efficient Business Management Platform.*
JUNE 2024 - NOVEMBER 2024

🌐 **Website:** http://bizflowsync.com/
📱 **App:** https://play.google.com/store/apps/details?id=com.onlyrahulrai.bizflowsync

It is a robust, scalable business management platform designed to streamline end-to-end organizational operations including student management, attendance tracking, fee management, staff management, subscriptions, and analytics, delivered across web and mobile platforms.

The platform is engineered with a strong focus on performance, scalability, and real-time operations, capable of handling large datasets and high user concurrency.

🌟 Key Features:

- Student & Staff Management with role-based access control
- Real-time attendance tracking
- Fee & subscription management integrated with Razorpay
- Business analytics & dashboard reporting
- Digital ID card generation with QR codes
- In-app QR code scanning for secure ID verification
- Geo-location tracking using location APIs
- Real-time communication using Socket.IO

🛠️ Technical Contributions

- Built web (React.js) and mobile apps (React Native + Expo) with Redux for state management
- Developed **scalable backend APIs** using **Python & Django**
- Implemented JWT authentication and RBAC
- Deployed and optimized services on **DigitalOcean** using **NGINX & Apache2**
- **Integrated Razorpay, Socket.IO, and Location APIs**

Digitaldetoxification — A Psychologist-Driven Mental Wellness Platform
OCTOBER 2025 - DECEMBER 2025

Role: Full-Stack Developer

🌐 **WEBSITE:** https://digitaldetoxification.in/

IT is a full-featured web platform designed for conducting psychological

assessments, generating AI-driven reports, and delivering personalized insights to users. The system supports secure participation through license keys, leverages modern web technologies, and integrates AI to deliver dynamic, interpretable assessment results.

🌟 Key Features:

- **Full-stack web application** with responsive UI, built using **React.js, Redux, TailwindCSS,** and **Shadcn UI**
- **RESTful backend** developed with **Node.js, Express**, **TSOA**, and **MongoDB**
- **Admin panel** for assessment management, report review, and result publishing
- **License key–based access control** enabling users to participate in authorized assessments
- **AI-driven report generation** using the **OpenAI API** to analyze assessment responses and produce dynamic psychological evaluation summaries
- **Review workflow** where management reviews AI reports and attaches finalized reports to user assessments
- **Secure data storage and retrieval**, with role-based permissions for admins and users

Amojo Buyer Hub — Web & Mobile App

May 2021 - March 2024

🌐 **Website:** https://www.amojo.com/
📱 **App:** https://appadvice.com/app/amojo-buyers-hub/1609425160.amp

Amojo Buyers Hub is a full-fledged e-commerce web and mobile platform enabling sellers to onboard, manage their digital storefronts, and sell products directly to buyers through a controlled and customizable ecosystem.

The platform includes a seller web panel (similar to Amazon/Flipkart/Meesho seller portals) and a buyer mobile application, supporting end-to-end commerce operations.

🛠️ **Technology Used:** HTML, CSS, Bootstrap, JavaScript, React.js, Redux, Python, Django, Socket.IO, Axios, Tailwind CSS, MySQL, Ant Design, Celery, Redis, Pandas.

🔑 Key Contributions & Features

- **Seller Onboarding & Verification:** Built a seller registration system with business details (GST, business info), admin-driven approval, rejection, and blocking workflows.
- **Seller Control Panel:** Enabled sellers to manage categories, products, pricing, discounts, and business rules, including automatic category assignment based on product metadata.
- **Custom Storefronts:** Implemented default and custom themes for seller storefronts, including a built-in code editor for advanced theme customization.
- **Order & Invoice Management:** Developed a complete order lifecycle (Pending, Approved, Dispatched, Returned, Refunded) with full and

partial order processing and multi-format invoice generation (A3, A4, A5).

- **Buyer Mobile App Integration:** Designed buyer-facing mobile app where users can browse and purchase products published by approved sellers.
- **Seller-Buyer Mapping:** Implemented connection code–based access, allowing buyers to view and purchase products only from selected sellers.
- **Payments & Transactions:** Integrated Razorpay for secure online payments and transaction handling.
- **Scalable Backend:** Developed high-performance APIs using Django & Python, optimized for concurrent users and large datasets.

Toksi — A social media platform

March 2023 - July 2023

🌐 **Website:** https://toksi.vercel.app/

It is a modern, real-time social media platform designed to enable secure user interaction, rich content sharing, and live communication through audio/video streaming, optimized for both web and mobile devices.

🛠️ **Technology Used:**: HTML, CSS, Bootstrap, JavaScript, React.js, Redux, Python, Django, MongoDB, Socket.IO, WebRTC, PeerJS, Axios

🔑 Key Contributions & Features

- **User Authentication & Security:** Implemented secure sign-up/login with password hashing and encryption, supporting email/username-based authentication.
- **Customizable User Profiles:** Built profile management with avatars, bios, privacy controls, and editable personal information.
- **Content Creation & Engagement:** Enabled users to create and share posts (text, images, videos, links) with likes, comments, hashtags, tagging, and location mentions.
- **Followers & Social Graph:** Implemented follow/friend request system with privacy controls to manage user connections.
- **Real-Time Messaging & Notifications:** Developed private messaging and live notifications using Socket.IO.
- **Audio & Video Streaming:** Integrated WebRTC and PeerJS to support real-time audio/video calls and streaming.
- **Responsive UI:** Designed a mobile-responsive interface ensuring seamless experience across devices and screen sizes.