

AYUSH RANJAN SINHA

Phone: +91-8709415598 | Email: asayushranjansinha@gmail.com | [Linkedin](#) | [GitHub](#) | [Portfolio Website](#)

WORK EXPERIENCE

RAHUL SOLUTIONS. (4 employee software & digital marketing startup) Bokaro Steel City

Full Stack Developer (React & Node.js) Jan 2024 - Present

- Built a production-grade Learning Management System (LMS) using **Expo (React Native)**, **TypeScript**, and **Node.js**, with a scalable backend using **PostgreSQL** DB and **Express.js** with **Node.js**.
- Implemented **Redis caching** and **BullMQ workers** to optimize performance and handle background tasks like scheduled OTP sending and progress analytics.

RAHUL SOLUTIONS.

Front End Developer Intern (React.js)

Bokaro Steel City

June 2023 - Dec 2023

- Developed and maintained user interfaces for web applications using React.js, improving user experience and application responsiveness.
- Integrated RESTful APIs to fetch data and ensure seamless communication between the frontend and backend.

EDUCATION

B.tech in Computer Science & Engineering

Maulana Abul Kalam Azad University of Technology, West Bengal

CGPA - 8.80

Aug 2020 - June 2024

Senior Secondary School Certificate | Class 12th

Sree Ayyappa Public School, Bokaro Steel City

Percentage: 76.66%

Apr 2018 - Mar 2019

Secondary School Certificate | Class 10th

Sree Ayyappa Public School, Bokaro Steel City

CGPA: 9.20

Apr 2016 - Mar 2017

PROJECTS

API Testing Platform | Next.js, TypeScript, PostgreSQL

[Deployed URL](#)

- Built a full-featured API testing platform supporting 7 HTTP methods with Monaco code editor, multi-provider OAuth, and **3-tier organizational structure** (Workspaces, Collections, Environments) using Server Actions.
- Integrated **Google Gemini AI** to generate request bodies and analyze responses, achieving instant UI updates with **server side TanStack Query** and reducing user input time by 60%.
- Developed secure proxy service handling **CORS for external APIs**, implemented **3-level RBAC** (Owner/Admin/Member), and designed 8-table relational database schema with Prisma and PostgreSQL.

Workflow Automation Tool | Next.js, TypeScript, Vercel AI SDK

[Deployed URL](#)

- Built a production-grade **visual automation platform with drag-and-drop** workflow editor, enabling users to create complex automations including **HTTP triggers, webhooks, conditionals, and AI model integrations (OpenAI, Claude, Gemini)**.
- Architected a type-safe full-stack application using **tRPC** for end-to-end type safety, **Prisma ORM**, and Inngest for distributed **background job processing** with real-time execution monitoring.
- Stripe payment integration, and AI-powered workflows with streaming responses using **Vercel AI SDK**—all deployed with proper security (**CORS, encrypted storage**) and monitoring.

SKILLS

Programming Languages & Frameworks: JavaScript (ES6+), C++, Next.js, React.js, React Native (Expo), Node.js, Express.js, Redux Toolkit (RTK), Zustand, Microservices Architecture.

Tools, Databases & Integrations: MongoDB, RESTful APIs, WebSockets, OAuth, JWT, Payment Gateways (Stripe, Razorpay), ShadCN-UI, GSAP, Framer Motion, Data Structures & Algorithms (DSA), Problem Solving, Git, GitHub.

Soft Skills: Communication (Fluent in Hindi and English), Problem-Solving, Collaboration, Adaptability