

RAHUL RANA

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SKILLS

Frontend	React, Next.js, TypeScript, JavaScript (ES6+), HTML5, CSS3, Tailwind, Redux Toolkit
Backend	Node.js, Express.js, REST APIs, Prisma, Authentication, PostgreSQL, Mongo DB
Performance	Web Vitals, Code Splitting, Lazy Loading, Caching Strategies, Server-side Rendering
Testing	Playwright, E2E Testing, TDD
DevOps	Git, GitHub Actions, CI/CD, Docker, AWS Amplify, AWS S3, AWS Cloudfront
Other	Agile, Scrum, Code Reviews, Cross-functional Collaboration, Vite, Webpack, npm, babel

EXPERIENCE

Associate Software Engineer Oct 2023 – Present
Instinct Innovations *Mumbai, India*

- Contributed to the end-to-end evolution of a **low-code automation and integration platform**, working across **product design, frontend architecture, developer tooling, and deployment**, treating the platform as a long-term, production-grade system rather than isolated features.
- Contributed to the architecture and development of a **highly configurable Form Builder system** with **conditional routing, dynamic data resolution**, and a **node-based visual workflow engine**, enabling non-technical users to model complex logic without custom code.
- Designed and implemented a **modular Connection and Integration framework** that standardized how third-party services (Slack, Airtable, internal APIs) were onboarded, resulting in **100+ reusable integrations** and establishing a scalable pattern for future connectors.
- Took ownership of frontend performance and reliability, improving **LCP, TTI, and Lighthouse scores** through **lazy loading, code splitting, caching strategies, and render-path optimization** across large, dynamic React applications.
- Rebuilt the Playwright automation framework using **TypeScript + POM**, scaling it to **500+ test cases** and cutting test maintenance effort by **70%**.
- Managed and maintained **AWS Amplify** deployments for multiple web applications, ensuring smooth **CI/CD** pipelines, environment consistency, and reliable production rollouts.
- Mentored junior developers in leveraging **AI tools** to accelerate product development, achieving **a40in efficiency**.

Programmer (Frontend) March 2023 - Oct 2023
Sensys Technologies *Mumbai, India*

- Developed **responsive user interfaces** in **React** from **Figma/UX designs**, ensuring pixel-perfect, performant, and user-friendly implementations. Consistently delivered projects on time.
- Collaborated with the team to resolve **frontend performance bottlenecks**, improving platform **load time by 40%**. Directly contributed to a faster and more seamless user experience.

PROJECTS

Crypto Castle [Live](#) — [GitHub](#)

React.js, Axios, SCSS, REST API

- Developed an intuitive UI for viewing live crypto prices, exchange listings, and detailed coin information.
- Implemented dynamic pagination to efficiently handle 100+ data entries per page, improving performance.
- Integrated fast search functionality to enable instant lookup of cryptocurrencies across the platform.
- Deployed on Vercel with a CI/CD pipeline for seamless updates, quick iterations, and high availability.

EDUCATION

Bachelor of Science in Information Technology, University of Mumbai 2019 – 2022
CGPA: 7.6