Rahul Kumar Yadav

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SKILLS

Languages: C/C++, JavaScript, TypeScript, SQL

Technologies & Tools: Next.js, React.js, REST API, Prisma, Docker, AWS, Git, GitHub, Tailwind CSS

WORK EXPERIENCE

Sparrowhawk System, Pune   04/2023 - Present
Junior Full Stack Developer

- Integrated **TRPC and Prisma** into a **Next.js** environment, enhancing database interactions, reducing query times by **40%**, and improving overall app performance by **25%** through creating and modifying Prisma models.
- Spearheaded the enhancement of existing **frontend interfaces** by integrating six new features using **React** and **MaterialUI**, resulting in a **30% improvement** in user engagement across all platforms post-launch.
- Architected scalable **backend applications** with **Next.js**, improving server response times by **30%** and increasing system throughput by **20%**.
- Led a project to redesign key **UI components**, improving onboarding processes and resulting in over **600 new users** completing the onboarding flow within the first week of launch.

Microsoft, Pune   06/2021 - 08/2021
Engage Mentorship Program

- Implemented **Agile methodology** and **CI/CD principles** to ensure seamless project execution and timely deployment, reducing time-to-market by **20%**.
- Integrated advanced features such as **screen sharing**, **video and audio switching**, and **chat integration**, enhancing user experience and increasing engagement by **30%**.
- Optimized **API calls** and database queries, reducing server load by **25%**, boosting performance, and increasing **daily active users** by **15%**.

EDUCATION

Army Institute Of Technology, Pune   07/2019 - 06/2023
B.E. in Information Technology   *CGPA: 8.80/10*
Coursework: Object-Oriented Programming, Databases, Data Structures and Algorithms, Operating Systems, Computer Networks, Machine Learning, Information Retrieval, Image Processing

PROJECT WORK

DoctorMy - Healthcare Appointment Platform: **Link**

- Developed a **full-stack healthcare platform** using **React**, **Node.js**, and **Tailwind CSS**, featuring **real-time appointment booking**, **secure authentication**, and **interactive doctor profiles** serving **20+ medical specialties**.
- Engineered a **responsive UI** with **Framer Motion animations** and implemented **protected routes** using **JWT authentication**, resulting in **95% mobile responsiveness** and **zero security breaches**.
- Optimized performance through **lazy loading** and **code splitting**, reducing **page load time by 40%** and achieving **99.9% uptime** after deployment on **Vercel**.

JSON to Form Converter: **Link**

- Constructed an intuitive form generator platform that converts pasted JSON data into user-friendly forms; reduced form creation time by 50%, enabling teams to focus on critical business outcomes and improve operational efficiency.
- Built a fully functional AI bot for the customer service team, achieving complete independence from external libraries, which provided the team with a robust tool now utilized by over 15 agents daily.

AWARDS AND CERTIFICATES

- **Mentor at Scaler Academy:** Helping students and working professionals to get better at coding.