Reetu Raj

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EXPERIENCE

React Developer — Sep 2024 – Present
Bitcot — *Indore, MP*

- Contributed to the development of secure medical-imaging web applications with full DICOM support, applying SOLID principles and scalable architecture patterns.
- Implemented a secure WebSocket-based pipeline for uploading large DICOM files to AWS HealthImaging, ensuring reliable high-volume data transfer.
- Implemented advanced 2D/3D medical-image viewing features using Cornerstone3D and VTK.js, optimizing frontend performance and memory usage for radiology-grade rendering.
- Developed real-time surgical-planning interfaces with interactive 3D components, leveraging state management and efficient data-fetching strategies.

Frontend Developer — Sep 2023 – Jun 2024
Surfoncode — *Remote*

- Designed and developed an interactive coding-practice platform with a modular, scalable structure aligned with SOLID design principles.
- Built reusable UI components with strong focus on frontend architecture and performance optimization.
- Contributed to a successful product launch that reached 100+ users in the initial release phase.

Frontend Developer Intern — April 2023 – July 2023
Flexagn — *Remote*

- Improved development efficiency by 30% through the adoption of Next.js and Material-UI, modernizing the project's frontend stack.
- Collaborated on building an ERP system now used by 10+ educational institutions with a user base of 2000+, ensuring a reliable and intuitive user experience.
- Built RESTful API endpoints to streamline data exchange between backend services and the frontend application.

TECHNICAL SKILLS

Language/Tools: HTML, CSS, JavaScript, TypeScript, SCSS, React.js, Redux toolkit, Redux-thunk, Next.js, REST, Graphql, Node.js, Express.js, Git, Postman, WebSockets

EDUCATION

Jabalpur Engineering College — Jabalpur, Madhya Pradesh
Bachelor of Technology in Mechanical Engineering — *2018 – 2022*

PROJECTS

Anime Wallpaper Website - goukio.com | *Node, MongoDB, AWS, Next.js*

- Created Goukio, a full-stack anime wallpaper platform optimized for fast browsing and high-quality image delivery.
- Deployed the app using AWS S3, EC2, and CloudFront for scalable performance.
- Reached a growing community of 200+ engaged users.

Full Stack React Native App | *Typescript, React native, Tailwindcss, Firebase*

- Developed a full-stack Netflix clone using React native, Firebase, and Tailwind CSS, replicating core features like responsive UI and user authentication.
- Integrated Firebase Authentication enabling secure sign-up/sign-in functionality and real-time storage of users' saved movies and preferences.

OPEN SOURCE CONTRIBUTIONS

Cornerstone3D: Identified a bug and delivered a merged pull request in an open-source repository.

PROFESSIONAL CERTIFICATES

Front-End Web Development with React — March 2023
The Hong Kong University of Science and Technology

Server-side Development with NodeJS, Express and MongoDB — May 2023
The Hong Kong University of Science and Technology