RITESH PATIL

Software Development Student

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EXPERIENCE

React-Native Developer
Boutiques (UI development with server less architecture)

📅 Aug 2020 – Ongoing 📍 India

- Designed and Developed an highly interactive application using React-Native Firebase with cross-platform support (iOS Android).
- Integrated features such as Live streams, Audio/Video Calls, Real time chats, Payments, Social media features (like/follow/share), etc.
- Along with development, designed the UI of the app for better user experience.
- Built with React-Native, Firebase(Auth, Storage, Firestore, Cloud Messaging, Analytics), Agora Media, Redux.

Software Developer
Humaps (Server side Engineering and UI development)

📅 May 2020 – Aug 2020 📍 India

- Planned and architected a minimal e-commerce web application along with an admin panel to manage the functioning.
- Engineered a REST API backend system with MongoDB as Database, Firebase for Authentication and User management.
- Wrote modern, performant and robust code to handle a diverse array of functions with the latest tools and technologies.
- The frontend application is built upon React.js, Material UI with backend built upon Node.js and Express.js

PROJECTS

Monday Morning - Official Student Media Body of NIT Rourkela
- Proposed and implemented a scalable frontend for the student media body of NIT Rourkela along with a Content Management System.
- Incorporated features such as authentication, progressive web app (PWA) and push notifications for a secure and seamless experience.
- Built with industry leading technologies such as Javascript, Next.js, Material-UI, Apollo Client, Cloudflare, Google Analytics, Schema.org SEO optimizations.

Website of TEDxNITRourkela
- Interfaced with user experience designers, the official website of TEDxNITRourkela integrates modern responsive design .
- Built using Javascript and Gatsby, the website garnered over 20000+ views during the event owing to high performance and exceptional Search Engine Optimization.
- The website integrates features such as Ticketing system, online Merchandise store, forms and feedbacks, Gallery, etc.

Digital Certificate Generation and Distribution
- Implemented a custom Digital Certificate generation, authorization and distribution system for the institute administration and clubs.
- Developed a scalable and completely customisable solution using modern browser features such as Canvas, Typescript.
- Implemented Auth0 authentication, in a Node.js and GraphQL backend with React.js and Tailwind CSS for frontend.

PROGRAMMING SKILLS

Programming Languages
Javascript, Typescript, GraphQL, HTML, CSS, Python, Swift(iOS), SwiftUI, C, C++

Frameworks and Libraries
React, Redux, Next.js, Gatsby, Apollo Client and Server, Node.js, Express, React Native, Mongoose, MongoDB, Firebase, Redis.

Tools and Technologies
Git, GitHub, Webpack, Heroku, Netlify, Amazon Web Servies, Google Cloud Platform, Digital Ocean, Material-UI, Ant-Design

Operating Systems
macOS Catalina, Arch Linux / Ubuntu

Design Tools
Figma, Adobe Lightroom, Photoshop

ACHIEVMENTS

CoroMed - MHRD Samadhan Hackathon
- Developed an end-to-end platform that brings together hospital requirements and medical supplied from distributors.
- Devised an algorithm to prioritize the hospitals according to the severity of condition incorporating various factors to make efficient use of available supplies.
- Shortlisted in top 3 projects nationwide.

TCS IT WIZ - Nationwide Tech Quiz
- Shortlisted among top 6 in the biggest IT Tech Quiz of India conducted by TCS in the regional rounds amongst 600+ teams.
- Achieved the 3rd position in the regional finals of Pune.

EDUCATION

B.Tech Industrial Design
NIT Rourkela | 7.03/10

Higher Secondary Certificate
KHS Junior College | 84%

Secondary School Certificate
KHS High School | 90.2%

INTERESTS

Photography, Badminton, Cycling, Travelling, Quizzing