Ritesh Patil

Front End Engineer

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Relevant Experience

BharatPe | Front End Engineer Intern
Nov 2021 – Current | Delhi, India

- Collaborated with a multi-disciplinary team of software engineers, UI designers, product managers to develop the newest consumer BNPL product, PostPe.
- Integrated new features in Javascript, React based cross platform mobile application using webview and native-hand-shaker. Developed the UI for credit card bill payments, integrated M2P financial services API for PostPe card usage.
- Refactored the app as part of a Performance Audit. Introduced better linting & formatting using ESLint, Prettier. Standardised React patterns, optimised codebase to achieve a 17.8% smaller bundle size leading to 0.9s faster pageload time.

GitHub | MLH Spring Fellow
Feb 2022 – Current | Remote

- Selected as a fellow amongst 55000+ applicants for the MLH Fellowship. Worked with GitHub on the GitHub documentation as a developer and technical writer.
- Resolved multiple issues related to the Javascript, Next.js and Markdown based web app alongside writing and updating technical articles on new features such as Codespaces, Actions, GH Desktop that are being viewed by 1 million+ users.
- Collaborated with a team of 10+ students from multiple countries, conducted daily standups, delivered show and tell sessions on SEO optimisations for websites, functional programming in javascript, the state of state management in React.

Boutiques Inc. | Front End Engineer Intern
Aug 2020 – Dec 2020 | Remote

- Engineered and shipped a highly interactive, cross-platform (iOS + Android) mobile application using React-Native with a serverless architecture using Firebase Cloud.
- Architected and implemented features such as product showcase feed, instant payments, customer-buyer realtime chats, audio/video calls, social media.
- Integrated Firebase services such as Google OAuth, Firestore database, Cloud Messaging (FCM) with other services of Agora, Stripe, Redux, Push Notifications.

Projects

Signit: Digital Certification and Distribution | GDSC NIT Rourkela

- Engineered a custom Digital Certificate generation, authorisation and distribution platform for student clubs of NIT Rourkela that has been opensourced.
- Developed a scalable solution with modern features like Canvas, Typescript, React for the web app along with Auth0 authentication in a Node.js, MongoDB & GraphQL based server. Distributed over 3000+ certificates for multiple institute events.

Aptiche: Custom Quizzing Platform | GDSC NIT Rourkela

- Coordinated an initiative for the AIChE Community of NITR to develop a platform to conduct custom quizzes via a mobile app along with a dashboard for stats.
- Delivered a fully typesafe, scalable server using Node.js, Typescript, GraphQL. Used TypeGraphQL in order to maintain a single source of truth.

NITR Avenue: Student Interaction Platform | GDSC NIT Rourkela

- Spearheaded a developer team to create a mobile application that allows students to stay up to date with NITR events, student clubs, institute mails, timetables.
- Devised GraphQL APIs, built a React-based mail client integrating Zimbra SOAP APIs providing services such as inbox, compose, drafts, sent, junk.

Skills

PROGRAMMING

Javascript(ES6+), Typescript, HTML, CSS, GraphQL, C++

FRAMEWORKS

React.js, Next.js, React Native, Redux, Apollo GraphQL, Tailwind CSS, Material UI, Node.js, Express, MongoDB, Mongoose

TOOLS & TECHNOLOGIES

Git, GitHub, Webpack, Grunt, Cloudflare, GitHub Actions, Docker, Kubernetes, Amazon Web Services.

OPERATING SYSTEMS

MacOS Monterey, Linux - Ubuntu, Arch Linux

DESIGN TOOLS

Figma, Adobe Lightroom, Adobe Photoshop, Adobe XD

Education

NIT ROURKELA
BTech in Industrial Design
Jan 2019 - Present
GPA: 7.88 / 10.0

PORs

Google DSC Lead
Led a group of technology enthusiast developer students to create solutions to help students in institute

GitHub Campus Expert
Strived to build diverse-inclusive community to learn skills, share experiences, build projects.

Lead Organiser | HackNITR
Led operations of various teams to conduct one of the largest Hackathons in eastern India

Director | TEDxNITRourkela
Maintained the website and created a custom live streaming platform along with ticketing