

Ritesh Patil

Software Development Engineer

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Relevant Experience

SDE Intern @ BharatPe

Nov 2021 - Present | Delhi, India

- On a daily basis, collaborate with a multi-disciplinary team of engineers, designers, product managers as part of the team to develop the newest consumer-focused BNPL product, PostPe.
- Primarily responsible for adding new features to the React and SASS-based mobile application using Webview and a bespoke native-hand-shaker. Actively maintained the website of PostPe.
- In addition, utilising Java, Springboot, and MySQL, develop APIs for new dashboard capabilities & features for the customer support staff.

Fall Fellow'21 @ Major League Hacking

Sept 2021 - Oct 2021 | Remote

- A 3 week intensive program, collaborated with 15+ students from 4 different countries. Built out a portfolio of projects, experimented with new technologies during an impactful hackathon sprint.
- Led the frontend team with delegating tasks, conducting daily stand-ups in order to build highly performant & responsive applications
- In addition to working on projects employing a variety of technologies such as React, Rust, Python, Flask, and PostgreSQL, delivered a Show and Tell lecture on finest SEO support and practises.

React Native Developer @ Boutiques Inc

Aug 2020 - Dec 2020 | Remote

- Developed and shipped a highly interactive, cross-platform (iOS + Android) mobile application using React-Native with a serverless architecture using Firebase Cloud Functions.
- Architected and implemented features such as product showcase feed, instant payments, customer-buyer realtime chats, audio, video calls, social media features such as likes, comments.
- Integrated the firebase ecosystem services such as Google OAuth, Firestore database, Cloud Messaging (FCM), Google Analytics along with external services of Agora, Stripe, Razorpay.

Technical Writer @ LogRocket

Dec 2021 - Present | Remote

- Successfully scripted and published multiple articles focusing on frontend and backend development using React, Node.js and other related technologies.
- Employing a variety of concepts such as architectures and design patterns, performances, modern conventions, the articles have gathered several views.

Notable Projects

Signit : Digital Certificate Generation

- Engineered a custom Digital Certificate generation, authorization and distribution open-source platform for the institute administration and student clubs.
- Developed a scalable solution using modern features like Canvas, Typescript, React with MaterialUI for the client along with Auth0 authentication in a Node.js, MongoDB & GraphQL(Apollo) server.
- With over 3000+ certificate distributions, the platform was used in multiple institute events.

Avenue : Institute Student Interaction Platform

- Spearheaded a developer team to create a mobile application that allows users to stay up to date on all NIT Rourkela events, student clubs, institute mail client, timetables and other services.
- Devised GraphQL APIs and built a React based Mail Client integrating the Zimbra Soap APIs providing services such as inbox, compose, drafts embedded as a Webview in the application.
- Additionally, coordinated an online National level fest through the mobile application.

Aptiche : Custom Quizzing Platform

- Coordinated an initiative for the AIChE Community of NIT Rourkela, to provide an opportunity for the students to conduct regular interactive custom quizzes and showcase their skills.
- Delivered a fully typesafe, highly scalable Server using Node.js, Typescript, GraphQL. In order to maintain a single source of truth, TypeGraphQL was used which ensured better maintainability.
- Integrated a React and Material UI based dashboard to create new quizzes and get detailed visualisations of the scores using Nivo Graphs (Built on top of d3.js)

Education

B.Tech Industrial Design

NIT Rourkela | 7.88/10 CGPA

Higher Secondary Certificate

KHS Junior College | 84%

Secondary School Certificate

KHS Secondary School | 90%

Skills

Programming Languages

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

Frameworks & Libraries

React, Next.js, Gatsby, Apollo GraphQL, Node.js Express, Mongoose, MongoDB, Firebase, Redis, React Native

Tools & Technologies

Git, GitHub, Webpack, Heroku, Netlify, AWS, GCP Digital Ocean, Docker, Kubernetes

Operating Systems

macOS Monterey, Arch Linux/Ubuntu

Design Tools

Figma, Adobe Lightroom, Adobe Photoshop

PORs

Google DSC NIT Rourkela Lead

A Google Developers initiative for developer student enthusiasts. Lead an open-source organisation working on creating solutions for various college services.

GitHub Campus Expert

A program that strives to build diverse and inclusive communities to learn skills, share their experiences, and build projects together.

Lead Organiser - HackNITR 3.0

One of the largest hackathons in Eastern India. Led the operations of the various teams, the event garnered close to 500,000 website hits and 2300+ registrations.

Tech Director - TEDxNITRourkela

An independently organised TED event by NITR students. As a Tech Director, maintained the website and created a custom live streaming platform along with ticketing support