

BIKASH DAS

Software Developer

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WORK EXPERIENCE

Senior Frontend Engineer (SDE2) - Virtual Internships

01/2024 - Present

Intern and Host Company Platform - TypeScript, JavaScript, ReactJs, RTKQ, NodeJs, MySQL, TypeORM, Mui, AntD

- Increased **performance score** upto **90** by using **prefetch**, **lazy loading**, **code splitting** and **RTKQ caching**.
- Improved scalability of the application by implementing **modular design**.
- Integrated end to end workflow for reading and writing WhatsApp consent of interns in both Frontend and Backend.
- Integrated certificate upload and preview feature for interns in Frontend and Backend

SWE - Tekion Corp

06/2023 - 01/2024

CRM (Customer Relationship Management) platform - ReactJS, JavaScript, Context API, Redux, HOCs, Custom Hooks, AntD

- Optimised performance by eliminating redundant API calls, resulting in a **40% reduction** in load time.
- Reduced bug resolution time by **~50%** using basic coding principles like **DRY** and **SRP**.
- Developed **custom Hooks** and **Higher-Order Components (HOCs)** to eliminate duplication and to improve reusability.
- Implemented advanced performance optimisation techniques, including **PureComponent**, **debouncing**, and **memoization**, to enhance overall efficiency of the CRM platform.

SDE2 - Jio Platforms Ltd. (Health.Jio)

08/2020 - 06/2023

Online and Offline Doctor Consultation - ReactJS, TypeScript, Redux, JDS

- Created end to end **LLD** for doctor listing, booking flows, and appointment details.
- Developed a **Render Engine** that can efficiently process JSON files and transform them into JSX. This approach has resulted in a considerable improvement in performance, **reducing the JS bundle** size and the page load time.
- Integrated **live chat** using Stateful Chat Client of Microsoft Azure.

JioHealthHub Dashboard

- Guided a Team and collaborated with the product managers, backend developers, and designers to develop a customisable user dashboard for JioHealth, leveraging a **config-driven-ui**.
- Integrated the JHH app in MSTeams and developed an **SSO authentication mechanism**.
- Developed and implemented an **emailing feature** with highly optimised search and multiple selection of recipients.

E-commerce Healthcare Ecosystem

- Developed various features in a Health Care app to provide instantaneous solutions that cater to healthcare requirements of users, such as scheduling medical tests or requesting medicine deliveries online.
- Developed complex workflows such as the **Corporate and CoWIN Vaccination Booking**, which facilitated vaccination for over **1M** individuals through the application.
- Increased user base by more than **200K** by implementing ABDM (Ayushman Bharat Digital Mission) workflows to create, link and unlink ABHA number.
- Integrated the whole module in **Android/iOS** native app using **plug and play**.
- Increased performance score (**FCP**, **TTL**) in Web Apps by more than **30%** using code optimisation techniques like **Code splitting**, **chunking**, **browser caching** and **CDN** in production.
- Cut down the software release cycle by **30%** by implementing **CI/CD** pipelines to automate the build and release of the web-apps.

SKILLS

JavaScript

TypeScript

ReactJs

Redux

RTK

RTKQ

ES6

Mui

AntD

Tailwind

HTML

CSS

Git

SCSS

C++

DSA

GTM

GA4

*Elementary proficiency

NodeJs*

ExpressJs*

TypeORM*

MySQL*

EDUCATION

B.tech in Biotechnology

IIT Guwahati

2016 - 2020

ACHIEVEMENTS

Spotlight Performer Award at Health.Jio

I have been recognised thrice for my contributions to the team's collective achievements.

Oil India Super 30, 2015

Successfully cleared the state wide entrance test to avail 100% scholarship for IIT-JEE preparation.

CERTIFICATION

Introduction to Data Structures & Algorithms

[LinkedIn](#)

Introduction to Web Design and Development

[LinkedIn](#)

Git Essential

[LinkedIn](#)

Continuous Delivery with Azure DevOps

[LinkedIn](#)

RESTful API with HTTP and JavaScript

[Coursera](#)