

BIKASH DAS

Software Developer

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WORK EXPERIENCE

Senior Software Engineer (SDE3) - Virtual Internships

01/2024 - Present

Intern and Company Platform - TypeScript, JavaScript, ReactJs, RTKQ, NodeJs, MySql, TypeORM, Mui, Mantine, Tailwind

- Led the frontend team, managing planning, unblocking members, and creating LLD for new features.
- Established **observability and monitoring** systems to improve application stability, performance tracking, and incident response.
- Increased **performance score by 30%** using **prefetch, lazy loading, code splitting** and **RTKQ caching**.
- Improved scalability of the application by implementing **modular design**.
- Implemented **LLM integration** into profile and internship creation flows, enhancing user engagement.

University Platform

- Developed an end-to-end platform for partner universities with features like authentication, multi user access, and placement report statistics.
- Acheived **90% code coverage** by writing unit test cases.
- Developed a scalable **backend architecture** and **database schema** from scratch, ensuring performance and reliability.

SWE - Tekion Corp

06/2023 - 01/2024

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

- Developed **Custom Hooks** and **Higher Order Components (HOCs)** to eliminate code duplication and to improve reusability of code.
- Implemented advanced performance optimisation techniques, including **Pure Component, debouncing**, and **memoization**, to enhance overall efficiency of the CRM platform.
- 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**.

SDE2 - Jio Platforms Ltd. (Health.Jio)

08/2020 - 06/2023

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

- 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.

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**.

E-commerce Healthcare Ecosystem

- Developed 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 accounts.
- Cut down the software release cycle by **30%** by implementing **CI/CD** pipelines to automate the build and release of the web-apps.

EDUCATION

B.tech in Biotechnology

IIT Guwahati

2016 - 2020

SKILLS

JavaScript

TypeScript

ReactJS

NodeJs

ExpressJs

Redux

RTK

RTKQ

ES6

TypeORM

MySQL

MUI

AntD

Tailwind

HTML

CSS

Git

SCSS

C++

DSA

GTM

GA4

PROJECTS

Internship Agent - AI powered Slack Assistant for Internship Management

LangChain, LangGraph, LangSmith, NodeJS, TypeScript

- Developed an AI-driven Slack assistant for Virtual Internships host companies to streamline candidate management.
- Integrated LangChain, LangGraph, and MCP for workflow orchestration, natural language processing, and secure platform access.
- Implemented observability and monitoring with LangSmith for real-time tracing, debugging, and analytics.
- Delivered features such as candidate search, shortlisting, career field exploration, and contextual conversation management.
- Enhanced efficiency by automating manual workflows and providing a conversational interface for host companies.

KEY ACHIEVEMENTS

Culture Champion Award at Virtual Internships

I have received recognition twice for my contributions to the team's overall success.

Spotlight Performer Award at Health.Jio

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