

Uttam Likhiya

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EXPERIENCE

Adis Technologies, Surat— Software Engineering Intern

DECEMBER 2023 - FEBRUARY 2024

- Worked on two distinct projects. Firstly, contributed to a project serving 15 million users, enhancing the front-end architecture with advanced functionalities, comprising 350,000 lines of code.
- Enhanced frontend performance by implementing 2 new features and addressing 30+ minor bugs, culminating in a notable 10% enhancement. This overhaul ensures a seamless user experience across platforms.
- Secondly, participated in the refinement of Inventory management React Native applications, expanding their capabilities through the integration of 2 new APIs into the search filter and various core functionalities.
- Played a role in troubleshooting and resolving minor bugs within the React Native app, ensuring stability and usability for end-users. Additionally, I had an opportunity to implement 3 new features in total, enhancing overall functionality and user experience.

Freelance Developer

APRIL 2024 - APRIL 2024

- Worked on a freelancing project for a university, developing a project management app for both web (React) and mobile (Expo) platforms. Introduced new features like search and file uploads for the web and added features, video support, and file upload for the mobile app.
- Contributed to both frontend and backend development, fixing bugs and improving overall performance, ensuring a smooth and efficient user experience.

PROJECTS

The Google File System— Go, gRPC, FUSE

- Reimplemented 90% of The Google File System research paper from 2003 in Go, using a master-chunkserver-client architecture. Core features include chunk replication, streaming reads, and metadata managed via in-memory B-Trees with log-based recovery.
- Used FUSE to expose a POSIX-like interface on the client, enabling standard file operations. Designed to handle multi-GB files mid-file mutation, supporting workloads like collaborative and redundant workflows.

Billify — NextJS, Typescript, NextAuth

- Streamlined invoicing processes for 500,000 potential Micro, Small, and Medium Enterprises (MSMEs), facilitating cost-effective business operations.
- Developed a web application with integrated CRM, enabling users to effortlessly generate e-invoices in PDF format. This solution optimized efficiency and fostered stronger client relations, offering a hassle-free invoicing experience.

YouTube Playlist Duration — NextJS, YouTube API V3, Zod

- Developed a tool to calculate both the total duration of any YouTube playlist and the duration of individual videos, featuring custom search functionality.
- Designed for students to accurately plan study sessions by estimating lecture playlist durations, offering playback speed options and multiple time format outputs.

SKILLS

Languages: Go, Typescript, Java, C, Python.

Technologies: Nextjs, React, MERN, Node, React Native, Redux, MongoDB, Prisma, PostgreSQL.

Concepts: Object Oriented Programming, Functional Programming, MVC, REST API.

HOBBIES

Reading Books: Psychology, Fiction, Personal Development.

LANGUAGES

- English (Fluent)
- Gujarati (Native)
- Hindi (Proficient)

EDUCATION

Bhagwan Mahavir University, Surat— Bachelor

2022-2026 (Expected) - Computer Engineering
CGPA:8.15