Uttam Likhiya

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Experience

ADIS TECHNOLOGIES — Surat, Gujarat
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.
- 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 – Present

- Worked with Surat and Bengaluru–based agencies on production web, mobile, and internal tools, contributing across frontend, backend, databases, CI/CD, and deployment.
- Developed and shipped web (React) and mobile (Expo) applications, including a project management system for a university.
- Integrated LangChain-based LLM workflows for document handling, search augmentation, and internal task automation.
- Improved system reliability and performance by fixing cross-stack bugs and optimizing critical flows.

Projects

THE GOOGLE FILE SYSTEM
(GoLang, 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.

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.

Education

BHAGWAN MAHAVIR UNIVERSITY — Surat, Gujarat
B.Tech, Computer Engineering, CGPA 7.6

Skills & Interests

Programming Languages: GoLang, Typescript, C, Python.
Technologies: Nextjs, React, MERN, Node, React Native, Redux, MongoDB, Prisma, PostgreSQL, LangChain, Redis.
Concepts: Object Oriented Programming, Functional Programming, MVC, REST API.
Language: English, Gujarati, Hindi.
Interests: Reading Books: Psychology, Fiction, Personal Development.