

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.
- Built high-risk automation for e-commerce seller workflows that cut task time from ~26 minutes to ~4 minutes, increasing throughput without risking account bans.
- Led digitization for a manufacturing business by building a CRM-based system that reduced coordination friction, improved communication, and streamlined order pipelines.
- Across multiple projects, improved system reliability and performance by fixing cross-stack issues and critical flows.

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.

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, Node, Electron, 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.