Harsh Kumar

Software Engineer

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LinkedIn GitHub Blog

EXPERIENCE

Bookline — *Software Engineer Intern*

Sep 2022 - Dec 2022

- Worked at an early stage startup developing a platform which lets user read various reading materials at a nominal subscription fee
- Migrated the application data and APIs from **MongoDB to PostgreSQL**
- Integrated **OpenSearch** (ElasticSearch) for search functionality dropping response time to **10%**
- Developed customer notification service from scratch in Django (Python), Firebase and **AWS** SQS
- Created authentication screens for mobile app (react native)

PROJECTS

MINIFY   *Code Demo*

- Created a web application that shortens URLs for simple sharing and includes **advanced URL options** such as **click limitations and expiration dates, tracking and analytics.**
- It also includes a **dashboard** that displays information such as clicker demographics and limit quotas for the shortened URL.
- Built a responsive, animated frontend web app using React, Tailwind, and Typescript. API is built with Express, Google JWT is used for authentication and MongoDB is used as DB

MUSIC NATION   *Code Demo*

- Developed a music web app that allows you to listen to entire tracks without advertisements and for free.
- The frontend is developed with React and Material UI, while the backend is built in Express (Node).
- The server efficiently streams songs using packets and scrapes songs from YouTube based on user demand.

GOATED   *Code Demo*

- Built a CLI tool for effortlessly handling and rewatching your favorite TV series and anime episodes.
- Allows users to mark scenes and play them directly, which improves the rewatching experience
- Hosted at NPM with 1,300+ downloads.
- Built with Javascript, Commander.js, SQLite, and Prisma ORM and VLC media player is used for playing scenes and episodes.

EDUCATION

Bhagwan Parshuram Institute of Technology, Delhi
BTech ECE - GGSIPU
7.9 CGPA, 2020-2024

SKILLS

Languages: C++ , Javascript , Typescript , Python

Frontend: React , React native HTML , CSS , Tailwind , Material UI , Bootstrap , JQuery , Svelte

Backend: Node , Express, Rest API, MongoDB, SQL, AWS , ElasticSearch, Opensearch, Prisma, NextJS

Tools/Extra: Heroku , Git , GiHub , Linux , Railway

RELEVANT COURSEWORK

Data structures and algorithms, DBMS, Operating Systems

ACHIEVEMENT

Microsoft engage: Selected for 3 month of mentorship

Smart India Hackathon: Presented project on Smart question paper generator