Aditi Polkam, Software Engineer

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WORK EXPERIENCE

Software Engineer (Backend) – The Social Continent, Pune   July 2023 - present

NodeJs, Typescript, Solidity, XMTP, Git, Bitbucket, PostgreSQL, AWS, NPM

- Responsible for the app's backend architecture that involves processing requests, connecting to hubs(distributed data stores), and sending responses.
- Researching and developing strategies with respect to hub architectures, writing and maintaining the documentation and npm packages.
- Write clean and modular code with TypeScript and ESLint for the project. Work on the deployments of API and databases on AWS.

Full Stack Developer – Sadaiv CI, Remote   Jan 2023 – May 2023

Firebase, NextJs, React, Material UI, Ant Design, Tailwind CSS, Figma, Solidity, Web3Auth, Biconomy, Lighthouse Storage and GraphQL

- Contributed to the GitHub app backend, significantly impacting the product's development
- Created a high-performance web-app with over 300+ users in a week with Firebase Authentication and Cloud Firestore
- Implemented web frontend for 3 products with pin-point precision from Figma high-fidelity designs
- Wrote 2 Smart Contracts for the developer identity protocol

Frontend Developer Intern – CFT Labs, Remote   Aug 2022 – Sept 2022

React with Vite, Chartjs, D3.js, Framer Motion, Chakra UI, Axios, TopoJSON, Cloudinary

- Quickly adapted to the code written by a teammate and performed smooth API integrations with efficient state management for 2 products simultaneously.
- Single-handedly prepared a dashboard to track sales with data filtering and improved the web app by over 50% in source code optimization.

EDUCATION

Bachelor's in Computer Engineering, Savitribai Phule Pune University - **8.96 GPA**   Jul 2023

ACHIEVEMENTS

Winner - ETHIndia 2023, DeveloperDAO x Mailchain Mini Hackathon and wmn; 2023 hackathon

Student of the Year (Std X) - Sardar Dastur Nosherwan Girls' High School

Pune Chapter Lead, The Phoenix Guild (conduct workshops on blockchain development and related concepts)

Guest Speaker and Mentor for workshops (PES Modern College of Engineering, Pune and Dhole Patil College of Engineering, Pune)

State Level Basketball Player

SKILLS

Programming Languages: Python, Solidity, SQL, C, C++, Java, JavaScript, TypeScript

Frontend -Web and Mobile: HTML, CSS, React, NextJs, Svelte, Java AWT, Android Studio

Design Libraries: Tailwind CSS, Material UI, Chakra UI, Ant Design

Backend: NodeJS (with Typescript), Express

Databases: MySQL, Oracle, SQLite, Firebase, MongoDB, PostgreSQL

Other: Git, Github, Linux, Ethereum, Figma, Canva, WordPress, Remix, AWS, NPM

PROJECTS

EquiId - a platform to solve the presence of biased and stereotype-reinforcing fields in job applications resulting in unfair judgments (Source Code | Demo | Project)

Technologies Used - ReactJs, Replit, Polygon, Chakra UI, Solidity, Filecoin, Lighthouse, IPFS, Multer, Nodejs, Express

- Planned, designed, and developed the entire platform within a very short span of 24 hours and **won a track prize at wmn; 2023 hackathon**.
- Worked on developing the smart contract to issue Soulbound Tokens as pay proofs and set up the server that eliminates details like gender, location, and race.
- Implemented code for storing user documents in an encrypted way on IPFS with access control handled by the system admin.

NewsMail - a newsletter API service for Mailchain users (Source Code | Dashboard to create a token)

Technologies Used - Nodejs, Express, Firebase, Mailchain SDK, Passport Magic Link, EJS, Render

- Created a server to handle all the operations of sending and maintaining newsletters so that users could customize the appearance as needed.
- Worked solo in a fast-paced hackathon and created a working model in about 2 days with magic link authentication and auth-token generation for sending verified requests to the API.

Spotify Song Downloader - download songs from Spotify links (Source Code)

Technologies Used - Python, Spotify API, spotipy, eyed3, ffmpeg, pytube, and ytmusicapi

- A utility to download mp3 files of the required songs - albums, playlists, artists, and single tracks
- Worked with various packages and libraries to find a fun and easy way to download Spotify songs.

FREELANCE

Exposync - develop the backend with Nodejs, typescript, postgreSQL and Sequelize for streamlining exhibitions. (exposync.in)

aBit - develop the backend service for a creator economy platform, create a content summarization discord bot. (getabit.co)

LINKS

LinkedIn: https://www.linkedin.com/in/aditipolkam/   Blog: https://aditipolkam.hashnode.dev/

Github: https://github.com/aditipolkam   Youtube: https://www.youtube.com/@aditipolkam