Sagar Parker

Full-Stack Software Engineer (infy8.eth)

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WORK EXPERIENCE

Software Engineer
Marlin Protocol

12/2021 - Present   *Full-time*
Web 3.0

Achievements/Tasks

- Working as a full stack software engineer **(JS, Python)**.
- Contributed to the development of **Marlin Oyster** a TEE system based on **AWS nitro enclaves** which allow computations to happen verifiably and securely.
- Developed a **zk-proof generator** that enabled users to generate zk-proofs without the need of performing computationally expensive tasks on their local machines.
- Contributed to the front-end development by focusing on **smart contract integrations** using web3.js and ethers.js.
- Developed more than 5 responsive frontend applications using **React, Bootstrap, and styled components.**

Software Engineer
Frshr Technologies

10/2020 - 06/2021   *Part-time*
Information Technology & Services

Achievements/Tasks

- Contributed as a full stack software engineer **(MEAN stack).**
- Provided the Android/IOS team with secure APIs with robust exception handling and **JWT authentication.**
- Implemented **AWS S3** in the backend architecture of a social media application which resulted in faster media loading speeds and **reduced the storage cost.**
- Ensured the secure deployment of the web applications on **AWS (EC2 / RDS), DigitalOcean and Heroku.**
- Contributed to the development of a **National award (DRDO)** winning product AIRecognize.

Contact : Sanket Koli (Front-end lead) - kolisanket15@gmail.com

Software developer intern
Frshr Technologies

06/2020 - 09/2020   *Full-time intern*
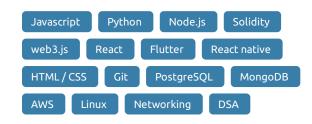Information Technology & Services

Achievements/Tasks

- Worked on the backend architecture of a security product named PrimeID which is used to **verify users' identity** with state-of-the-art verification technologies like **Passbase.**
- Developed responsive frontend applications with frameworks like **Angular & Bootstrap.**

EDUCATION

M.Sc - Computer Science
Ramnarain Ruia College

2020 - 2022   *9.54 CGPA*

SKILLS

Javascript   Python   Node.js   Solidity

web3.js   React   Flutter   React native

HTML / CSS   Git   PostgreSQL   MongoDB

AWS   Linux   Networking   DSA

PROJECTS

Collective - (Flutter, Node.js, Ethereum) ⬈

- Developed an **equity crowdfunding mobile app** using Flutter which is managed by smart contracts deployed on **Ethereum blockchain network.**
- Created a platform exclusive **ERC20 token** named Collective token (CTV) which can be used by the users to invest into camps on the platform in exchange of equity.
- Deployed **solidity smart contracts** on ethereum using **truffle** and executed in-depth testing of the same using **Mocha and Assert.**
- Engineered a robust **Node.js** backend with **MVC** architecture and hosted it on **AWS EC2** along with **NGINX reverse proxy.**

TrustTag - (Flutter, Node.js, Hedera Hashgraph) ⬈

- Developed a **smart tag system** that uses a mobile app to **scan QR codes** and **fetch the history** of a product stored on Hedera DLT.
- Integrated Hedera Consensus Service **(HCS)** into the project which made verifiable timestamping and ordering of events possible.
- Project selected as **Top 5** during the Hedera India Hackathon.

VoterChain.com - (React, Node.js, Blockchain) ⬈

- Developed a **decentralized voting system** by implementing core blockchain concepts, React and Node.js.
- Integrated **Socket.io to create a blockchain network** to exchange data between nodes and validate the transactions.

ACHIEVEMENTS & CERTIFICATES

Winner of Prize pool ($500) during Polygon India BUIDL IT hackathon. ⬈

5 Star (HackerRank) - JavaScript & Java
HackerRank Profile

Ethereum and Solidity - The complete guide (09/2021)
Udemy - Certificate Link

Mastering Data Structures and Algorithms (09/2021)
Udemy - Certificate Link

Flutter & Dart the complete guide (05/2021)
Udemy - Certificate Link

Web-development bootcamp (05/2019)
Udemy - Certificate Link