DHRUV VORA

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SKILLS

Languages: TypeScript, Python, C, C++, Solidity, Golang, SQL
Tools: AWS, Docker, Kubernetes, React, GraphQL, Node.js, Foundry, Terraform, Kafka, Spark, Git

EXPERIENCE

Tensor - Software Engineering Intern   01/2024 – Present

- Minimized candlestick chart latency by delivering real-time data using **TimescaleDB** and websockets, deployed on **Kubernetes**
- Delivered the first user facing connection limited socket API using Redis clusters and Lua script to ensure memory atomicity

Ether.fi - Software Engineering Intern   05/2023 – 08/2023

- Secured **$1.5B+** in staked ETH by designing encryption infrastructure with AES-256-GCM and xPub in **Golang** and **TypeScript**
- Designed a highly available consensus oracle to deliver validator statuses using Python and a contract written in Solidity
- Delivered TVL transparency to the community by designing an analytics aggregator using Python, AWS Lambda, and Grafana
- Leveraged **AWS**, **Golang**, and distributed systems to automate validator node spin-ups, resulting around $400k in savings

Dropbase - Software Engineer Intern   09/2022 – 12/2022

- Improved code coverage by 61% by designing an end to end and unit testing suite using Pytest, Selenium, and **AWS** Lambda
- Enhanced user experience by improving caching mechanisms for expensive computations using hooks in **React** with **Typescript**
- Optimized **PostgreSQL** database transaction latency by **11%** by monitoring usage and implementing connection pool middleware

KPMG Canada - Software Engineer Contractor   04/2022 – 03/2023

- Delivered infrastructure consistency by provisioning compute and networking services with **Terraform** configuration files in **Azure**
- Cut Pay Equity process from **2 weeks** to **2 mins** by developing algorithms using **Pandas**, interfaced through a React TypeScript UI
- Recieved **$500k** to replace the internal recognition platform with ERC721 smart contracts using **Solidity**, **FastAPI**, and React

Polar - Full-Stack Developer Intern   05/2021 – 08/2021

- Reduced **React** application build and deployment to production times by caching folders used in previous **Jenkins** builds
- Optimized **CSS** modules by replacing redundancies to improve stability, browser compatibility, and reduce rendering time by **10%**

INVOLVEMENT

Aria Music   10/2022 – 12/2023

- Enabled emerging artists to raise transparent funding through an NFT marketplace by designing smart contracts in Solidity
- Reduced Web3 barrier of entry into the DApp by allowing users to use abstracted accounts using ERC-4337
- Helped raise **$2M** in funding by designing a progressive web app using Next.js, React, and Chakra UI to attract investors and artists

Watlock   01/2021 – 09/2021

- Utilized an **Agile** approach to collaborate with 6 team members over 6 months, leading to **2nd** place in the competition
- Improved data transfer speeds by using **C** and checksums to build a **UDP** bus to drive an Arduino based data collection engine

PROJECTS

aiis.dev - A self serve AI ERC-20 and SPL token creation platform with over $3.1M FDV across deployed tokens

RISC-V Machine - A fully pipelined RISC-V machine in Verilog

EDUCATION

University of Waterloo   09/2020 – Present

Bachelors of Science, Honours Computer Engineering 3.9 GPA

- **Relevant Courses**: Data Structures & Algorithms, Compilers, Computer Networks, Operating Systems, Computer Architecture