

# DHRUV VORA

✉ dbvora03@gmail.com

🌐 dhruv-vora.vercel.app

🌐 in/d3vora

🔗 dbvora03

## SKILLS

**Languages:** TypeScript, Python, Golang, Rust, Java, SQL

**Tools:** Linux, Docker, Kubernetes, AWS, Azure, React, Node.js, Terraform, PostgreSQL, Kafka, Spark, Hadoop, Git

## EXPERIENCE

### Incoming Software Engineering Intern @ Balyasny Asset Management

(01/2024 – 04/2024)

### Software Engineering Intern @ ether.fi

05/23 – 08/23

- Utilized **Python** object-oriented programming and asynchronous programming to design a high available a consensus oracle
- Delivered financial transparency to investors by delivering an analytics aggregator using Python, **Java**, and Grafana to production
- Leveraged **AWS**, Kafka, **Golang**, and distributed systems to automate validator node spin-ups, resulting over \$400k in savings
- Protected investor assets by refactoring insecure encryption algorithms to AES-256-GCM and xPub in **Golang** and **TypeScript**

### Software Engineer Intern @ Dropbase

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

### Software Engineer Contractor @ KPMG Canada

04/2022 – 03/2023

- Delivered infrastructure consistency by provisioning compute and networking services with **Terraform** configuration files in **Azure**
- Composed **Bash** scripts to automatically configure **Nginx**, DNS records, systemd service, and SSL certification for virtual machines
- Saved over **\$2400** in annual serverless app usage costs by designing an API rate limiter to filter spam with **Redis** and **Python**

### Software Engineer Intern @ KPMG Lighthouse

01/2022 – 04/2022

- 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
- Streamlined consultant workflow by training an NLP model to classify job titles using data webscraped with **BeautifulSoup**

### Full-Stack Developer Intern @ Polar

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

### Software Developer @ Aria Music

10/2022 – 09/2023

- Helped raise **\$2M** in funding by designing a progressive web app using Next.js, React, and Chakra UI to attract investors and artists
- Halved **smart contract** memory usage and gas costs by replacing map based whitelists with the Merkle Tree **data structure**

### Software Team Lead @ 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

**VHDL Compiler - Compiler for VHDL built in Java (In progress)**

**RISC-V Machine - Designed and synthesized 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