

# DHRUV VORA

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## SKILLS

**Languages:** Python, C/C++, TypeScript, JavaScript, SQL, Solidity, Golang, HTML/CSS

**Tools/Technologies:** Docker, Kubernetes, Linux, AWS, React, Azure, Terraform, Node.js, Pandas, PostgreSQL, Kafka, Git

## EXPERIENCE

### Software Engineer Contractor @ KPMG Canada

Apr. 2022 – Present

- Delivered infrastructure consistency by provisioning compute and networking services with **Terraform** configuration files in **Azure**
- Mitigated sensitive data exposure by moving NFT metadata storage from IPFS to a service built with **Kafka**, Celery, and Azure Blob
- 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 @ Dropbase

Sept 2022 – Dec 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 Intern @ KPMG Lighthouse

Jan 2022 – Apr 2022

- Cut Pay Equity process from **2 weeks** to **2 mins** by developing algorithms using **Pandas** and **concurrent programming**
- Received **\$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

May 2021 – Aug 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%**

## LEADERSHIP INVOLVEMENT

### Co-Founder @ Aria Music

Oct 2022 – Present

- Raised **\$2M** in pre-seed funding by designing a modern and SEO friendly website on webflow 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 Design Team

Jan 2021 – Sept 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

### Iris - A data driven marketing recommendation engine for small local businesses in Calgary 🔗

- Created a k-means model using **SciKit** to determine the best marketing location using data from an ETL pipeline built with **Pandas**
- Deployed the Flask REST API using **Google Cloud Platform** with a user interface designed with React, **CSS**, and **Figma**

### Seashell - A CLI package that stores and executes lengthy terminal scripts from a cloud server 🔗

- Published a **Node.js** CLI package that fetches shell commands through microservices built in **Golang**
- Containerized services using **Docker** and orchestrated the application on a **Kubernetes** cluster

## EDUCATION

### University of Waterloo

Sept. 2020 – Present

Honours Computer Engineering 3.9 GPA

- **Relevant Courses:** Data Structures & Algorithms, Systems Programming & Concurrency, Real-Time Operating Systems

**Interests:** Rock Climbing, Vinyl Collecting, and Photography