DHRUV VORA

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SKILLS

Languages	Python, TypeScript, JavaScript, Golang, C, C++, SQL, Solidity, HTML/CSS
Technologies	Node.js, Pandas, React, Express, Mongo, MySQL
Tools	Docker, Kubernetes, AWS, Redis, Kafka, Jira, Azure, Linux, Git

EXPERIENCE

Software Engineering Co-op   Sept 2022 - Dec 2022
Dropbase

Software Engineer, Consultant   Apr 2022 - Present
KPMG Canada

- Reduced Pay Equity process from **2 weeks** to **2 mins** by automating calculations through algorithms built with **Pandas** and **SciKit**, interfaced through **Flask** and a **React** frontend
- Reduced deployment time to production by **82%** through a CI/CD pipeline built using **Azure Devops**
- Enabled Flask for production deployments using Nginx reverse proxies and uWSGI, increasing requests by **120%**

Software Engineer Co-op   Jan 2022 - Apr 2022
KPMG Lighthouse

- Developed a NFT certification issuer with **Solidity**, **Next.js**, and **TypeScript**, receiving **$500k** in funding
- Streamlined consultant processes with an NLP service to classify job titles using **GPT-3** and BeautifulSoup
- Prevented reaching IPFS API gateway usage limits through an event queue designed with **Redis** and **Celery**

Full-Stack Developer Co-op   May 2021 - Aug 2021
Polar

- Automated production build development by writing **Bash** scripts to synchronously run **Webpack** commands
- Reached **100%** test coverage on the front-end and data aggregator codebase by writing tests in Jest and Selenium
- Optimized **CSS** modules to improve stability, browser compatibility, and reduce rendering time by **10%**

Software Team Lead   Jan 2021 - Sept 2021
Watlock Design Team

- Collaborated with a team to determine and implement software requirements to operate an airlock on Mars
- Planned the development of a data collection engine built with a **Flask** service that interacts with **Arduinos**
- Designed an airlock interface to gather real-time telemetry using **Electron**, **TypeScript**, and **WebSockets**

PROJECTS

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 a microservice built in **Golang**
- Containerized services using **Docker** and orchestrated the application on a **Kubernetes** cluster
- Increased application efficiency by integrating **Redis** caching servers and **HAProxy** load balancing

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

- Utilized **SciKit** to develop a **k-means** model that determines the best marketing location
- Automated data collection through an **ETL** pipeline built using **Python** and **Pandas**
- Deployed the **Flask** REST API on **Google Cloud Platform** with a front-end built in **React**

EDUCATION

University of Waterloo, Honours Computer Engineering (87% Average)   Sept 2020 - Present