Tyler Pinto

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SKILLS

Languages: Java, Go, Python, C++, JavaScript/TypeScript, Python, SQL, HTML/CSS, C#
Frameworks/Tools: Kubernetes, Spring, React, Docker, Node.js, Vue.js, AWS, Kafka, MySQL, Express, Git, MongoDB

PROFESSIONAL EXPERIENCE

Software Engineering Intern | Datadog   New York, NY | May 2021 – Aug 2021

- Added check for processes running on a host, allowing for Datadog integrations to be suggested upon onboarding.
- Designed and realized architecture to resolve and store processes by host using **Go**, **Kafka** and **Elasticsearch**.
- Created fake agent CLI with customizable configs for E2E testing, reducing the testing setup process by **~75%**.

Software Engineering Intern | Confluent   Mountain View, CA | Jan 2021 – Apr 2021

- Automated data feed using **Go** to upload invoices to Google Drive, decreasing monthly engineering toil by hours.
- Created E2E monetization features for admin dashboard, alleviating related on-call times by ~**95%** with Go & React.
- Migrated services to be deployed with internal **Kubernetes** tool, reducing deployment times by **>40%**.
- Developed **Python** scripts to ensure the integrity of invoices generated to meet SOX compliance for IPO readiness.

Full Stack Developer | LCBO Next   Waterloo, ON | Sep 2020 – Dec 2020

- Built portal used by **400+** agency stores to print dynamically created product labels using **Typescript** & **React**.
- Created APIs to track pricing updates and verify **Azure** authentication with **Node.js**, **Express**, & **PostgreSQL**.
- Performed integration testing using scripts, **Kubernetes**, and Kong to incorporate Skip the Dishes' delivery platform.

Software Engineering Intern | Veeva Systems   Toronto, ON | Jan 2020 – Apr 2020

- Implemented async job thread which validates an object's dependencies, reducing UI latency by **7.5s**.
- Added validation logic to an import endpoint, storing the results to a downloadable attachment using **Java**.
- Constructed front-end logic and components using **JS** & **React** to enhance data transferred to **RESTful APIs**.

Software Engineering Intern | PointClickCare   Toronto, ON | May 2019 – Aug 2019

- Implemented a scalable IAM microservice and data model used by over **100** hospitals with **Java** & **Spring**.
- Developed over **20 RESTful API** endpoints for a user dashboard and the admin management of users.
- Designed client-side portal using **Vue.js** and **Bootstrap** to enable state management and connect developed APIs.

Research Assistant | Sports Applications of Machine Learning Lab   Waterloo, ON | Jan 2019 – Dec 2019

- Collaborated to prepare a paper accepted at the CVPR (Computer Vision and Pattern Recognition) 2019 Expo. 🔗
- Compiled dataset for **TensorFlow** model to provide pose estimation and event detection for golf swings.

RELEVANT PROJECTS

Guardian - IoT Firefighter Helmet | 2019 Hack the North Winner, Best use of Google Cloud Platform 🏆

- Engineered a helmet that retrieves external data via sensors and uses **NodeMCU** to upload to a **Firebase** database.
- Applied **Vue.js** and **ApexCharts.js** to dynamically present information with real-time graphs on a web dashboard.

FireGuard - IoT Forest Fire Detection System | 2020 Queens Hacks Winner 🏆

- Leveraged **time-series forecasting** on data from **IoT** beacons to determine forest fire risk and predict spread of fire.

EDUCATION

University of Waterloo | Bachelor of **Software Engineering**   Sept 2018 – Present (3B)
Minor: Combinatorics & Optimization, Artificial Intelligence   **3.98/4 (95.2%)** GPA

- First in Class Scholarship – Ranked **1st** in Program, Dean's Honours List (x5)
- Relevant Courses: Algorithms, OS, Design Patterns, Databases, Concurrency, Compilers, Graph Theory, UI, Testing