RICK SIKKA

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ricksikka1

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Skills

Languages: Python, Javascript, C/C++, Bash, GO, Java, HTML/CSS, Terraform, SQL, C#

Tools/Frameworks: React.js/Node.js, Git, Flask REST, Docker, Postman, AWS, Kubernetes, GCP, Redis, MongoDB

Experience

Tulip Retail - DevOps Engineer Co-op   Jan 2020 - Apr 2020, Sep 2020 - Dec 2020

- Contributed to the **Infrastructure** behind all the **Tulip Retail** iOS apps with over 1M downloads
- Deployed **multi-tenant APIs** to our Kubernetes clusters for easier monitoring enhancements and cert renewals
- **Automated** uploads to Container Registry and Cloud Storage using gitlab's **CI/CD** pipelines and Bash scripts
- Setup monitoring solution of various **GCP** services leveraging **Prometheus** and **Grafana**
- Provisioned the **Pingdom** module to alert users of **Kubernetes Namespace** downtime in **Terraform**
- Forwarded **Tracing** headers through **NGINX** to allow more visibility for **Jaeger's** distributed tracing

CompTrak - Software Engineer Co-op   May 2019 - Aug 2019

- Led development of rapid feature additions to a compensation management tool in a **startup environment**
- Constructed **new endpoints** for clients to obtain **user-facing analytics** information such as avg check-in time
- Designed counter measures for brute-force login attempts using **Redis** to store usernames and their times
- Devised new Profile Activity object in **Parse and MongoDB** which kept track of user actions within CompTrak
- Built out **interactive calendar** widget, and **analytics dashboard** for displaying user data using **Node.js**

SPS Commerce - Software Engineer Co-op   Sept 2018 - Dec 2018

- Implemented a **RESTful Backend** in .NET to interact with the Admin portal and **MongoDB**
- **Refactored** portions of code base from MVC to **MVVM architecture** in **C#** to improve code **testability**
- Integrated multiple **AWS** technologies such as **EC2 and Lambda** to enhance current and legacy software
- Wrote **unit tests** to improve code coverage from 5% to 20% within the term

Projects

Hooter

- A full stack twitter clone for owls where users can send hoots and see hoots from their friends
- *Made with Node.js, Express.js, MongoDB, NGINX, Docker*

Bob Ross Paint Zone

- Developed an interactive canvas allowing multiple users to draw along with Bob Ross simultaneously
- *Made with Node.js, React.js, Socket.io*

NBA MVP Predictor

- Utilized various classification models such as SVM and DNN to predict the MVP with mid season stats

Education

University of Waterloo, Computer Engineering, Candidate for B.A.Sc.   Sept 2017 - Apr 2022