

RICK SIKKA

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Skills

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

Tools/Frameworks: Django, React.js/Node.js, Git, Docker, AWS, Kubernetes, GCP, Redis, PostgreSQL, gRPC, Kafka

Experience

Citadel - Incoming Software Engineer Co-op

Sept 2021 - Dec 2021

- Working with the Infrastructure Development team in Python

Tulip Retail - DevOps Engineer Co-op

Jan 2020 - Apr 2020, Sept 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**

CompTrak - Software Engineer Co-op

May 2019 - Aug 2019

- Led development of rapid feature additions to a compensation management tool in a **startup environment**
- Built out **interactive calendar** widget, and **analytics dashboard** for displaying user data using **Django**
- 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

SPS Commerce - Software Engineer Co-op

Sept 2018 - Dec 2018

- Implemented a **RESTful Backend** in .NET to interact with the Admin portal and **MySQL**
- 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-v2

- A full stack twitter clone for owls where users can create hoots, Like/ReHoot and Follow others
- Includes User Auth, Custom Serialization, Model Managers, Signals, REST API, Unit Tests
- *Made with Django Rest Framework, React.js, NGINX, Docker*

WhatToDo

- CRUD microservice that reminds me of the daily ToDo tasks using protocol buffers as messages
- *Made with Go, gRPC, protobuf, PostgreSQL*

Education

University of Waterloo, Computer Engineering, Candidate for B.A.Sc.

Sept 2017 - Apr 2022