RICK SIKKA

r3sikka@uwaterloo.ca
demo-milo.com
ricksikka1
rick-sikka

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 MondoDB** which kept track of user actions within CompTrak
- Built out **interactive calendar** widget, and **analytics dashboard** for displaying user data using **PowerBI**
- Created **scripts** which validated user reports for error checking resulting in 28% more reported data

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
- Leveraged **dependency injection** to improve the **testability** of Database and Networking layers
- Wrote **unit tests** to improve code coverage from 5% to 20% within the term

Arcelor Mittal - IT Solutions Analyst
Jan 2018 - May 2018

- Developed and maintained reports for manufacturing analytics using PowerBI/PowerApps and **VBA**

Projects

- Developed an interactive canvas allowing multiple users to draw along with Bob Ross through React.js/Node.js
- Deployed containerized Flask/React.js app on EC2 utilizing NGINX for static files and reverse proxy (HTTPS)
- Hosting personal website on AWS S3 bucket served using Cloudfront. Created CI/CD pipeline using CodeDeploy
- Utilized various classifications models such as SVM and DNN to predict the NBA MVP with mid season stats

Education

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