

# RICK SIKKA

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[demo-milo.com](https://demo-milo.com)

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rick-sikka



## Skills

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

**Tools/Frameworks:** AWS, Kubernetes, Docker, GCP, Ansible, React.js/Node.js, Flask, Git, NGINX, Grafana, Postman

## Experience

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Tulip Retail - DevOps Engineer Co-op

Sep 2020 - Dec 2020

Tulip Retail - DevOps Engineer Co-op

Jan 2020 - Apr 2020

- Contributed to the **Infrastructure** behind all the **Tulip Retail** iOS apps with over 1M downloads
- Provisioned the **Pingdom** module to alert users of **Kubernetes Namespace** downtime in **Terraform**
- Setup monitoring solution of various **GCP** services leveraging **Prometheus** and **Grafana**
- Forwarded **Tracing** headers through **NGINX** to allow more visibility for **Jaeger's** end to end distributed tracing

SPS Commerce - Software Engineer Co-op

Sept 2018 - Dec 2018

- Contributed to the web API to interact with the **Admin portal** and **MongoDB** through the **.NET Framework**
- **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 - Apr 2018

- Integrated **CI Pipelines** to run automated Swift Unit and UI Tests to approve/reject merges through **Gitlab CI**
- Developed and maintained reports for company analytics using PowerBI and PowerApps

## Projects

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- 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
- Developed an interactive canvas allowing multiple users to draw along with Bob Ross through React.js/Node.js
- Utilized various classifications models such as SVM and DNN to predict the NBA MVP with mid season stats

## Education

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

Sept 2017 - Apr 2022