Rahul Rangith

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Skills

- Ruby on Rails, Python, Flask, C, C++, Java, JavaScript, React, GraphQL
- Docker, Kubernetes, AWS, GCP, Heroku, MySQL, PostgreSQL, Git, Jenkins, TravisCI

Experience

Shopify — Backend Developer Intern   **September-December 2019**

- Developed core features and optimizations for Billing Service using Ruby on Rails and MySQL
- Implemented idempotency in GraphQL mutations to prevent charges from occurring multiple times along with adding Datadog metrics and Splunk logging to improve observability
- Applied load shedding solution to reduce DDoS risks by delaying jobs if Billing Service had too much load, leading to a 100% increase in the service's bandwidth
- Refactored code to facilitate sharding by restructuring queries, leading to performance improvements including reducing one daily job's running time from 9 hours to 15 minutes

TextNow — Software Developer Intern   **January-April 2019**

- Created scalable microservice to initiate and monitor port requests along with designing a service layer to communicate and handle callbacks from third party APIs using Ruby on Rails
- Implemented job queuing using Sidekiq and Redis to increase port request completion rates
- Automated deployment process of porting service to AWS EKS using Docker, Jenkins, and Kubernetes to allow scalability and effortless updates without downtime
- Utilized Terraform to build and version control AWS infrastructure such as RDS and Elasticache

Symantec — QA Automation Engineer Intern   **April-August 2018**

- Developed application to aggregate and generate daily reports for Norton WiFi Privacy reviews from the App Store and Play Store using Python, Slack API, and Jenkins
- Trained machine learning model to perform Multi-Label Text Classification on reviews using Python, Natural Language Processing, and sci-kit learn to achieve 85% accuracy

Projects

StoryTime | https://github.com/rrangith/StoryTime

- Finalist at Hack the Valley 2019 with web app that takes user speech and generates images
- Automated deployment to Google Kubernetes Engine using TravisCI to push Docker images along with creating and updating Kubernetes resources on updates to master branch
- Developed Flask API to perform text to image conversion using Bing's Image Search API
- Deployed multi-container application to Ubuntu VPS using Docker, Docker-Compose, and Nginx

RealTalk | https://github.com/rrangith/RealTalk

- Won 1st at DeltaHacks 2019 with web app that gives users real-time feedback on presentations
- Developed multi-threaded Flask API to analyze and track facial expressions and hand gestures using OpenCV and pretrained machine learning models

Education

- University of Waterloo, 3A Computer Engineering, 3.9 GPA   **2017-2022**

Activities and Interests

- Avid NHL follower and Toronto Maple Leafs fan, played Ice Hockey from 2009-2017