RAHUL RANGITH

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SKILLS

Languages/Frameworks: Python, Flask, Ruby, Rails, Javascript, React, Java, C/C++

Tools/Technologies: Docker, Kubernetes, AWS, GCP, Heroku, MySQL, PostgreSQL, Git, Jenkins, Travis CI

EXPERIENCE

TextNow - Software Developer   January-April 2019

- Created scalable microservice to initiate and monitor users' port requests along with designing a service layer to communicate and handle callbacks from third party APIs using **Ruby on Rails** and **MySQL**
- Implemented job queuing and retry logic using **Sidekiq** and **Redis** to increase port request completion rates
- Automated deployment process of porting service to **AWS** using **Docker, Jenkins, and Kubernetes**
- Utilized **Terraform** to build AWS infrastructure such as **RDS** and **Elasticache**
- Improved UI and created new features for customer management portal using **React** and **Ruby on Rails**

Symantec - QA Automation Engineer   May-August 2018

- Developed application to aggregate and generate daily reports for Norton WiFi Privacy reviews from the App Store, Play Store, and Opinion Lab 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 | storytime.tech 🐙

- **Finalist** at Hack The Valley 2019 with web app that takes user speech as input to generate related images
- Automated deployment to **GKE** using **Travis CI** to push **Docker** images and create **Kubernetes** resources
- Developed **Flask** API to accept string and used Bing's Image Search API to return a corresponding image
- Applied filters to search based on sentiment analysis and user's facial expressions using Google's Vision API
- Deployed multi-container application to Ubuntu VPS using **Docker**, **Docker-Compose**, and **Nginx**

RealTalk 🐙

- Won **first place** at DeltaHacks 2019 with web app that gives users real-time feedback on their presentations
- Developed multi-threaded **Flask** API to analyze a user's facial expressions, hand gestures, and word choice
- Utilized **OpenCV** and pretrained machine learning models to track hand movements and facial expressions

Heartful 🐙

- Collaborated with team at Hack the North to create Fitbit application that protects users from stress
- Developed Rest API to relay data between frontend and **PostgreSQL** database using **Python** and **Flask**
- Utilized Twilio API to send text messages based on the user's situation
- Integrated Google Maps API to create heat map of user's stressful areas based on data collected

EDUCATION

University of Waterloo

- Computer Engineering | 2017-2022

ACTIVITIES AND INTERESTS

- Avid NHL follower and Toronto Maple Leafs fan, played Ice Hockey from 2009-2017
- World Taekwondo Federation Black Belt and competed in multiple sparring tournaments
- Engineering tutor for Linear Algebra, Calculus, and Chemistry
- Ambassador for University of Waterloo Engineering Department