

RAHUL RANGITH



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SKILLS

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

Tools/Technologies: Docker, Kubernetes, AWS, Heroku, MySQL, PostgreSQL, Git, Jenkins, Jira

EXPERIENCE

TextNow - Software Developer

January-April 2019

- Created a REST API to initiate and monitor port requests using third party APIs, **Ruby on Rails** and **MySQL**
- Utilized **Docker** and **Kubernetes** to deploy service and **Terraform** to build RDS and ElastiCache instances
- 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
- Implemented daily UI tests for iOS and Android using **Jenkins**, Swift, and Java to increase code coverage by greater than 50% on both platforms

PROJECTS

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
- Displayed real-time feedback on graphs along with a final summary using **React**

StoryTime | storytime.tech

- Finalist at Hack the Valley 2019 with web app that generates an image based on what a user says
- Automated deployment to **Kubernetes** using **Travis CI** to push Docker images to Google Kubernetes Engine
- Developed **Flask** API to accept string used Bing's Image Search API to return a corresponding image
- Applied filters to search based on sentiment of string and user's facial expressions using Google's Vision API
- Deployed multi-container application to Ubuntu VPS using **Docker**, **Docker-Compose**, and **Nginx**

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