Yousef Haggy

540-654-0987 / yousef.r.haggy@gmail.com / github.com/YousefHaggy / U.S Citizen

Education

Virginia Commonwealth University, Richmond VA   **Expected Graduation: December 2021**

Computer Science, B.S.   **GPA: 4.0**

VCU Presidential Scholarship Recipient

Programming Languages and Skills

Languages: *(proficient)* Javascript, Python, Go, Java, Typescript, SQL, HTML/CSS (*familiar*) C#, C++, C

Technologies: Kubernetes, Flask, Node.js, React/React Native, Docker, Git, AWS, MongoDB, Redis, MySQL, PostgreSQL, CircleCI

Software Engineering Work Experience

Software Development Intern   **Salesforce**   **May 2021 - August 2021**
- Published and utilized a new javascript library to reduce the execution time of several VS Code commands by **over 250%**
- Added support for custom Cloud Native Buildpacks to a Kubernetes based source-code build system for FaaS apps
- Made several contributions to the open source CNCF buildpacks project.
- <u>Utilized Skills:</u> Go, Typescript, Kubernetes, Node.js, Cloud Native, Buildpacks, Open Source, Testing, CircleCi

Zippity Cars

Software Development Engineer   **August 2020 - April 2021**

Software Development Intern   **June 2020 - August 2020**
- Refactored Infrastructure as Code (IaC) to increase deployment pipeline capacity from **16 clients to 160 clients** and fully separate staging and production resources
- Improved routing system to meet customer expectations an estimated **~8% more often**. Added additional routing metrics
- Designed and developed a flexible notification system with multiple delivery channels for dealerships across the country.
- Made several changes to the UI and flow of the mobile car care booking app accessed by 1000+ visitors weekly
- <u>Utilized Skills:</u> React / React Native, Javascript, PostgreSQL, Python, Flask, AWS, Git, Infrastructure as Code (AWS CDK)

Backend Development Intern   **Dynamic Brands**   **June 2020 - August 2020**
- Developed tooling for managing internationalized emails triggered by app events
- Integrated with Mailchimp and Shopify APIs in order to link mobile app events with marketing efforts
- <u>Utilized Skills:</u> AWS Lambda, DynamoDB, Node.js / Javascript

Personal Software Projects

Fredericksburg Regional Food Bank App   **July 2019 - present**
- Developed a cross-platform app for communicating pantry information and updates. **3000+ installations**
- Created a Flask backend to send major updates and notifications to users. **600,000+ total push notifications sent.**
- Developed a highly configurable admin facing web application for managing pantry information and updates
- <u>Utilized Skills:</u> React Native, React, Python, Flask, Javascript, MongoDB, Heroku, Redis, JWT authentication, next.js

United2Heal App & Backend   **July 2018 - June-2020**
- Developed a RESTful API to handle interactions with a MySQL database of medical supplies
- Developed a native Android mobile app that aids in the sorting and shipment of hundreds of medical supplies for the non-profit United2Heal. Over **300,000 medical supplies** have been sorted using the app
- <u>Utilized Skills:</u> Java, Android Studio, MySQL, Python, Cloud Storage, Git, Flask

TLDW   **Spring 2020**
- Developed a Chrome Extension that seamlessly generates summaries of Youtube videos
- <u>Utilized Skills:</u> Javascript, Python, Docker

Mazel.io   **Summer 2019**
- Developed a multiplayer maze game with over 3000 unique players
- <u>Utilized Skills:</u> Python, Flask, Javascript, HTML/CSS, web sockets, Git

Activities and Clubs

ACM Programming Club (*president),* RamDev, United2Heal, Wrestling, SHPE, PennyAppeal