Syed AbuTalib

Software Engineer · U.S. Citizen

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Experience

Liberty Mutual Insurance   *Boston, MA*

ASSOCIATE SOFTWARE ENGINEER   *Jan. 2021 - Present*

- Restructured a tracking application to accept extra form types to easily track the status of the new forms
- Integrated the Jasmine testing framework to simplify unit testing on Angular applications, capturing bugs earlier than expected
- Ongoing

Access My Research   *Dallas, TX*

SEARCH ENGINEER INTERN   *Sept. 2020 - Dec. 2020*

- Facilitated software delivery cycles by containerizing applications with Docker, decreasing build times from minutes to under 20 seconds
- Designed the process of simultaneously accessing 3+ research database APIs by writing Python scripts to create and run concurrent processes
- Accelerated search result response times from 2 seconds to 300 milliseconds by integrating Elasticsearch to index research papers

Liberty Mutual Insurance   *Indianapolis, IN*

SOFTWARE ENGINEER INTERN   *May 2020 - Aug. 2020*

- Communicated in the daily stand-ups of an Agile team with the product owner and Scrum Master in order to optimize form data searching
- Automated the process to convert insurance form data into Excel spreadsheets, saving 30 minutes per sheet, by using TypeScript to place the data into an .xlsx file
- Unified Employee Resource Group data into a single dashboard using React to display data and Flask and Python to crawl internal calendar pages and sanitizing event data

Kalkomey Enterprises, LLC   *Dallas, TX*

APPLICATION DEVELOPER INTERN   *June 2018 - Dec. 2019*

- Introduced shops to customers and increased interest by creating a React Native mobile application
- Improved the process to make changes to the locator API by creating an online admin interface using React
- Achieved the goal of 100% WCAG compliance by utilizing Axe and Lighthouse to correct Angular applications

Projects

FireWatch   *Flask, Python, React*

WEB APPLICATION   *github://FireWatch*

- Estimates the speed and location of the California wildfires using Twitter APIs to find tweets associated with wildfires and keeping track of their geolocation over time
- Used Google Maps APIs to display a heatmap using data created by predictive models such as random walks
- Won 3rd place at HackTX (UT Austin hackathon)

Skills

Programming	Java, Ruby, Python, JavaScript, TypeScript, Bash, C/C++, Rust, R, SQL, HTML, CSS
Frameworks & Libraries	Flask, Angular, React, Vue, Jasmine, Ruby on Rails, Sinatra, Spring Boot, Node, Express
AWS	IAM, S3, CloudFront, CloudWatch, EC2, VPC, RDS
Tools	Git, Docker, Heroku, Elasticsearch, Linux, Jira, Bamboo

Education

The University of Texas at Dallas   *Dallas, TX*

BACHELOR OF SCIENCE IN COMPUTER SCIENCE (CUM LAUDE)   *Dec. 2020*