Syed AbuTalib

Software Engineer · U.S. Citizen

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Experience

Liberty Mutual Insurance   *Boston, MA*

Associate Software Engineer   *Jan. 2021 - Present*

- Spent innovation days integrating the Jasmine testing framework to simplify unit testing on Angular applications, capturing bugs before deployment
- Converted 20+ projects from UI Bamboo specs to Bamboo specs as code in order to have versioning history via git
- Built an application to generate reports based on possible investment deals using Django and React

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*

- Optimized searching in a high volume internal service application by conducting surveys on current users and analyzing and comparing employee job types with common searches, implementing the results on the webpage
- Automated the process to convert insurance form data into Excel spreadsheets, saving an average of 30 minutes per sheet using TypeScript
- 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*

- Architected a React Native application to display game fish and fishing bodies of water for the state of Nevada (and its citizens)
- Improved the process to make changes to a locator API by creating an online admin interface written in React

Projects

Sytran   *JavaScript, Rails*

NPM Module   *github://sytran*

- Developed a command line tool to transfer files through the web
- Hosted a RESTful API server to hold files on Heroku

FireWatch   *Flask, 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 stochastic processes such as random walks
- Won 3rd place at HackTX (UT Austin hackathon)

Skills

Programming	Java, Python, Ruby, JavaScript, TypeScript, Bash, C/C++, Rust, R, SQL, HTML, CSS
Frameworks & Libraries	Spring Boot, JUnit, Mockito, Django, Flask, Ruby on Rails, Angular, React, Vue, Jasmine, Node, Express, Tailwindcss
Tools	AWS, 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*