

Syed AbuTalib

Software Engineer

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Skills

Programming Java, TypeScript, Ruby, Python, PowerShell, JavaScript, Bash, C, C++, Rust, R, SQL, HTML, CSS

Frameworks & Libraries

Spring Boot, JUnit, Mockito, Ruby on Rails, Django, Django REST Framework, Flask, Angular, Next.js, React, Vue.js, Jasmine, Node.js, Express.js, Jest, Tailwindcss

Tools

AWS, Azure, Git, Google Cloud, Docker, MySQL, PostgreSQL, Heroku, Elasticsearch, Linux, Agile, Scrum, Kanban, Jira

Experience

Google

Seattle, WA

SOFTWARE ENGINEER (GOOGLE CLOUD)

June 2022 - Present

- Achieved a 20% reduction in Java automation workloads by redesigning Protocol Buffer comparisons
- Designed & implemented product procurement for the Virtual Machine product type and Kubernetes product type to meet government definition of Agency, minimizing our liability and saving over 2 million in taxes & refunds in the process
- Created TypeScript guard on VM & k8s Config pages to check product procurement in cases of Government usage
- Transferred 4+ cron jobs out of a large borg (large-scale cluster management system) user to a new borg user and reduced permission set to increase security and follow the principle of least privilege

Liberty Mutual Insurance

Boston, MA

ASSOCIATE SOFTWARE ENGINEER (PRIVATE INVESTMENTS)

Jan. 2021 - June 2022

- Led the process of implementing pagination to standardize internal REST APIs, speeding up responses for large requests by 30%
- Implemented a document repository using Django and React, saving the company over \$500,000 per year by reducing employee downtime
- Integrated the Jasmine testing framework into multiple front-end applications, reducing bugs found in production by 30%
- Reduced local build times by over 80% and expedited cross-platform development by containerizing applications with Docker
- Provisioned cloud application resources using the AWS Cloud Development Kit, creating reusable components in the process

Access My Research

Dallas, TX

SOFTWARE ENGINEER INTERN

Sept. 2020 - Dec. 2020

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

Education

The University of Texas at Dallas

Dallas, TX

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

Dec. 2020

- 3.7/4.0 (Cum Laude)