Abhinav **Kasamsetty**

805-304-6352 | abhinavkasamsetty@gmail.com | abhinavk99.github.io | abhinavk99 | abhinavkasamsetty

Experience

Microsoft
Redmond, WA

SOFTWARE ENGINEER | AZURE VIRTUAL NETWORK
Aug 2020 - Present

- Working as part of the Azure Virtual Network team.

Amazon
New York, NY

SOFTWARE DEVELOPMENT ENGINEER INTERN | AMAZON DEMAND SIDE PLATFORM
Jun 2019 - Aug 2019

- Designed a scheduling system to manage the number of tests running concurrently across the team's unit test suites.
- Developed the system using Java and DynamoDB to handle test runs in different queues based on accessed resources.
- Wrote UI integration tests for the Amazon DSP Console using Selenium in Java.
- Created visualization of current running tests using AWS DynamoDB Streams, Lambda, and S3.

Amazon
East Palo Alto, CA

SOFTWARE DEVELOPMENT ENGINEER INTERN | AWS DATABASE MIGRATION SERVICE
Jun 2018 - Aug 2018

- Created an end to end notifications system to notify customers of operational and general information, improving time it takes to make announcements to customers from days to minutes (over 57,000% faster).
- Added ability for employees to create/update notifications using a Ruby on Rails front end and a Spring and Oracle DB back end.
- Developed an interface on the AWS DMS Console for users to read their notifications using React and TypeScript.
- Gained familiarity in using various AWS services, including S3, EC2, and Lambda.

Skills

Languages   Java, Python, JavaScript, C++, Ruby, TypeScript, Dart

Technologies   AWS, GCP, Azure, Node.js, React, Express, Flask, Mypy, Flutter, Rails, PostgreSQL, Jest, Pytest, TestNG, JUnit, Chai, Mocha

Projects

DoctorSearch
doctorsearch.me

PYTHON, FLASK, POSTGRESQL, POSTMAN, AWS EB, AWS RDS, NODE.JS, REACT, MATERIAL UI, CHAI, MOCHA, PYTEST
Oct 2019 - Dec 2019

- Created a web app that provides information about doctors and specialties in 50 major cities using React and JavaScript.
- Developed a RESTful API in Python and Flask that supports filtering, sorting, and searching doctors, specialties, and cities, hosted on AWS.
- Tested the frontend using Chai and Mocha and the backend using Pytest.

PickYourProf
pick-your-prof.herokuapp.com

NODE.JS, EXPRESS, CHEERIO, HTML/JS/CSS (BOOTSTRAP), SQLITE, FLUTTER, DART
Oct 2017 - Present

- Developed a cross platform web and mobile application that uses Rate My Professors and the UT Austin grade database to rank professors.
- Scraped Rate My Professors, implemented the algorithm in Node.js and Dart, and wrote the backend Express server. Created at HackTX 2017.

JikanPy
pypi.org/project/jikanpy

PYTHON, REQUESTS, AIOHTTP, MYPY, PYTEST, VCR.PY
Apr 2018 - Present

- Created a Python wrapper library for the MyAnimeList unofficial Jikan API supporting both synchronous and asynchronous usage.
- Added static typing using mypy and unit tested with Pytest and VCR.py for 100% coverage utilizing Travis CI.

Education

The University of Texas at Austin
Austin, TX

B.S. IN COMPUTER SCIENCE
Aug 2017 - May 2020

- University Honors, President's Horizon Scholarship, GPA: 3.86