

Abhinav Kasamsetty

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Experience

Microsoft

SOFTWARE ENGINEER | AZURE VIRTUAL NETWORK

- Working as part of the Azure Virtual Network team.

[Redmond, WA](#)

Aug 2020 - Present

Amazon

SOFTWARE DEVELOPMENT ENGINEER INTERN | AMAZON DEMAND SIDE PLATFORM

- 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.

[New York, NY](#)

Jun 2019 - Aug 2019

Amazon

SOFTWARE DEVELOPMENT ENGINEER INTERN | AWS DATABASE MIGRATION SERVICE

- 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.

[East Palo Alto, CA](#)

Jun 2018 - Aug 2018

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

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

- 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.

doctorssearch.me

Oct 2019 - Dec 2019

PickYourProf

NODE.JS, EXPRESS, CHEERIO, HTML/JS/CSS (BOOTSTRAP), SQLITE, FLUTTER, DART

- 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.

pick-your-prof.herokuapp.com

Oct 2017 - Present

JikanPy

PYTHON, REQUESTS, AIOHTTP, MYPY, PYTEST, VCR.PY

- 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.

pypi.org/project/jikanpy

Apr 2018 - Present

Education

The University of Texas at Austin

B.S. IN COMPUTER SCIENCE

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

[Austin, TX](#)

Aug 2017 - May 2020