

Abhinav Kasamsetty

☎ 805-304-6352 | ✉ abhinavkasamsetty@gmail.com | 🏠 abhinavk99.github.io | 📺 [abhinavk99](https://www.youtube.com/channel/UCv33333333333333333333) | 📺 [abhinavkasamsetty](https://www.youtube.com/channel/UCv33333333333333333333) | 🇺🇸 US Citizen

Experience

Mercari

Tokyo, Japan

SENIOR SOFTWARE ENGINEER | TRUST AND SAFETY

Mar 2023 - Present

- Worked on updates to the system that searches for suspicious users based on their account data and activity using Go, Kubernetes, and BigQuery.
- Led project to upgrade the microservice warning and applying usage restrictions to users who repeatedly cancel transactions by reducing false positives so more users could buy/sell items, which improved GMV (gross merchandise value) by over \$500,000 yearly.
- Oversaw the design and planning of a feature to allow users to sell age restricted items based on age verification, which would increase GMV.

Microsoft

Redmond, WA

SOFTWARE ENGINEER II | MICROSOFT EDGE PROGRESSIVE WEB APPS

Jan 2022 - Feb 2023

- Implemented browser APIs so developers can write PWAs, installable web apps that feel/act like native apps, that show widgets in Windows.
- Added support for PWAs to be launched by opening URLs using C++, React, and TypeScript, helping increase Edge's market share by minutes usage.
- Designed and prototyped scope extensions for PWAs in Chromium so that users can install web apps with multiple subdomains or TLDs as one PWA.

SOFTWARE ENGINEER II | AZURE VIRTUAL NETWORKING

Aug 2021 - Jan 2022

SOFTWARE ENGINEER | AZURE VIRTUAL NETWORKING

Aug 2020 - Aug 2021

- Worked on major rewrite of the core system running on millions of servers that programs the networking info for every Azure VM, reducing average VM creation time by over 25%, using C++ and a publish-subscribe data model to get networking data stored as Protobufs.
- Launched support for accessing Azure Private Endpoints from on-premises networks through Azure ExpressRoute FastPath using C#.NET.

Amazon

New York, NY

SOFTWARE DEVELOPMENT ENGINEER INTERN | AMAZON DEMAND SIDE PLATFORM

Jun 2019 - Aug 2019

- Designed and developed a scheduling system to manage the number of tests running concurrently across the team using Java and DynamoDB.
- 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 inform customers, improving time it takes to notify them from days to minutes (over 57,000% faster).
- Added an API to create notifications using Java and Oracle DB and an interface in the AWS Console to display notifications using React and TypeScript.

Skills

Programming Languages Java, Python, JavaScript, C++, C#, Go, TypeScript

Technologies AWS, GCP, Azure, Kubernetes, Terraform, Node.js, React, Express, Flask, .NET, Jest, Pytest, JUnit, SQL, BigQuery

Projects

JikanPy

pypi.org/project/jikanpy

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

Apr 2018 - Dec 2022

- Wrote a Python library for the MyAnimeList unofficial Jikan API supporting both sync and async usage that had over 2 million monthly downloads.

DoctorSearch

gitlab.com/krysehun/doctorsearch

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

Oct 2019 - Dec 2019

- Constructed a web app that provides information about doctors and specialties in 50 major cities supporting filtering, sorting, and searching.

Education

The University of Texas at Austin

Austin, TX

B.S. IN COMPUTER SCIENCE

May 2020

- Graduated with Honors, President's Horizon Scholarship