Abhinav **Kasamsetty**

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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.
- Upgraded 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) growth by over $500,000 yearly.

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 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.

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