

ANEESH VEMPATY

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Portfolio: <https://avempaty.github.io/>

Experienced Software Engineer looking for a full-time position developing software products.

PROFESSIONAL EXPERIENCE:

Microsoft – Software Engineer

Nov 2020 – Present

MS Teams Calling & Security, Compliance & Information Protection

- Actively contributed to the development of features related to the Microsoft Information Protection (MIP) initiative as a Full Stack Developer.
- Designed and constructed a scalable IndexDB to support multiple MIP features, catering to the needs of ours and various sister teams.
- Successfully delivered multiple MIP front-end facing features to production, enhancing support for Protected Meetings and Calling, benefiting over 300 million customers.
- Collaborated seamlessly with cross-functional teams within the Microsoft Teams Organization to ensure a coordinated effort towards MIP objectives.
- Played a key role in creating the first set of guidelines for on-call responsibilities and proactively monitored metrics to gain insights into customer usage of our features post-production release.
- Pioneered the development and implementation of front-end automation testing for our organization, significantly improving the quality and reliability of current production features.
- Actively developing Sensitive Content Detection feature to screen and blue sensitive information during screen sharing. Integrating detection bot on client side to trigger pop-up notifications, alerting users when sensitive content is detected and blurred in real-time.

Amazon Web Services – Software Engineer

Feb 2019 – Nov 2020

- Worked on the SMS (Server Migration Service) and the VMIE (VM Import Export) team.
- Built SMS integration with AWS ADS (Application Discovery Service) to allow AWS customers to import their application servers seamlessly to new datacenters.
- Build GDPR integration within SMS to process customer data based on customer status.
- Created public API commands for the AWS CLI to allow customers to monitor VMIE task status.
- Enhanced the accuracy of Windows OS detection allowing us to install the correct drivers earlier in the VM onboarding process, improving latency and resource utilization.
- Contributed to building VMIE service infrastructure in 2 new datacenters.
- As part of on-call rotation, created runbooks, handled customer escalations, debugged production issues, and set up alarms for new features like 15-Minute Replication and Export Image API.

Visa Inc. – Software Engineering Intern

May 2017 – August 2017

Customer Data Management Application - Access Control

- Collaborated with Senior Management to organize access-control roles.
- Implemented access-control layer for pages from scratch using Java Spring Framework.
- Improved authentication security by adding server-side validation for all requests.

Payment Analytics and Monitoring Application - Interval View Page

- Learned Splunk API to query more than 50 payment statuses.
- Used Grafana API to create a page displaying any interval of the payment statuses.
- Modified existing payment data chart to support opening my interval page.

PERSONAL PROJECTS:

Vibe (Fullstack Engineer) - “Instagram for Sharing Music”

January 2018 - May 2018

- <https://mymelody.herokuapp.com/>
- Developed Feed page, Profile page, and Create-post modal.
- Created all RESTful HTTP API endpoints for users and posts.
- Used Spotify API to play song snippets and get song information.

EDUCATION:

Purdue University, West Lafayette, IN
B.S. in Computer Science

May 2018

Coursework: Computer Architecture, Distributed Systems, Algorithms, Data Structures, ML, Testing

Languages: Typescript, JavaScript, HTML, CSS, MySQL, Python, Java

Frameworks: Node.js, Selenium, MongoDB, Spring, Unity 5, Splunk, Grafana, MEAN Stack, React, Firebase

AWS Services: DynamoDB, S3, IAM, EC2, Service Migration Service, Application Discovery Service, Cloudwatch, Lambda