Nate Meshesha

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Professional Summary

Software Engineer with a wide range of internship and professional experience across all levels of the stack and currently pursuing masters in computer science. Has experience working on teams and developing software using Agile development methodologies, continuous integration and deployment, and site reliability engineering techniques. Quick learner and capable of hitting the ground running, making immediate contributions to any team and product.

Education

Computer Science M.S., University of Minnesota - Twin Cities ***(Expected Fall 2022)***
Computer Science B.S., University of Minnesota - Twin Cities ***2015 - 2019***

Technical Skills

Languages*: Python, C#, C, C++, JavaScript, HTML, CSS*
Frameworks: *ASP.NET, Angular.js*, *Flask, React, Bootstrap*
Tools/Platforms: *Visual Studios, Git, Github, Azure DevOps, Windows, Linux/Unix, Mac, OpenGL*
Infrastructure: Azure, *Docker, Kubernetes, AWS, Terraform Enterprise, CircleCI*

Professional Experience

Microsoft - *Software Engineer* ***8/2019 - 9/2020***

- Integrated existing ASP.Net Core Azure applications with various Microsoft Azure services such as Application Insights and KeyVault.
- Investigated and resolved bugs across both backend APIs and front end user interface services.
- Maintained and monitored services with regards to operational issues and on-call duties.
- Collaborated with teammates in design and planning meetings for various projects.

Cruise Automation - *Site Reliability Engineering Intern* ***5/2018 - 8/2018***

- Designed and implemented a full stack RESTful web application that was a knowledge repository of all the services at Cruise and how production ready they were.
- Developed backend API for app in Python using the framework Flask, and connected API to an AWS RDS Postgres database.
- Developed a frontend user interface using HTML, CSS, JavaScript, Bootstrap, and React that made AJAX calls to the backend API.
- Containerized application and deployed it on Kubernetes clusters for development, staging, and production environments.
- Configured application for AWS through Terraform Enterprise.

Boston Scientific - *Latitude Engineering IT DevOps Intern* ***5/2017 - 8/2017***

- Managed independent project to research containerization technology for a variety of applications at Boston Scientific.
- Evaluated and tested several container management solutions such as Cloud Foundry, OpenShift, Docker Enterprise, Kubernetes, etc.
- Conducted meetings across several teams to determine the best solution for Boston Scientific's infrastructure and applications.
- Created a POC demonstrating the advantages and disadvantages of migrating to a container-based infrastructure , and gave a demo of a container manager in OpenShift to one of the directors of engineering.

Boston Scientific - *Latitude Engineering IT DevOps Intern* ***5/2016 - 8/2016***

- Managed independent project to overhaul an unorganized and disjoint alerting system built with a group of bash scripts and cron jobs to a more modern alerting and monitoring system
- Cataloged and consolidating all of the alerts that handled critical payload and service issues into one list
- Implemented scripts and cron jobs into Splunk Enterprise alerts
- Created documentation and outlined guidelines for other team members to continue my work after my internship

Affiliations

- Fellow, Code2040 ***5/2018 - 8/2018***
- Member, National Society of Black Engineers ***2017 - 2018***