

# Abeda Alam

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## EDUCATION

### University at Buffalo

Buffalo, NY

Mechanical Engineering

2018

- oSTEM (Out in STEM), Theta Tau (Co-ed National Engineering Fraternity)

## SKILLS & INTERESTS

**Programming:** Golang, Python, Javascript/Node.js, HTML/CSS, React.js, Vue, Java

**Databases:** PostgreSQL, MYSQL, MongoDB

**Software:** Git, Docker, Vim, CI/CD Tools, Postman, Jenkins, CircleCI, Figma

**Cloud Tools:** Google Cloud, Cloud Functions

**Management:** SLDC, Agile Methodology, Technical Writing

**Documentation:** Engineering Standards, Swagger, JIRA

**Operating Systems:** Windows, MacOS, Unix

## WORK EXPERIENCE

### Pantheon Platform

San Francisco, CA

Software Engineering Intern

June - Aug 2022

- Developed microservice that will be available to 12,000+ users, which leverages Google PubSub to analyze a site's performance and return the user with a report containing the site's score, issues found, and suggestions for overall improvement.
- Set up a database with the initial database setup, migration, and seed files.
- Tested database CRUD functionality using beekeeper and used integration tests to verify functioning API endpoints.
- Configured cloud functions to be sending and receiving messages between the service and the workers.
- Successfully set up service, database, and pubsub locally and in cloud functions.

### Northrop Grumman

Omaha, NE

Software Engineering Intern

June - Aug 2021

- Supported the migration of Docker Swarm to Kubernetes to increase scalability and the number of production deployments.
- Created and managed pods.
- Developed Ansible Playbooks to deploy VM and install the components as per requirements.
- Built, configured, and maintained Docker images and containers managed by Kubernetes.
- Built and deployed applications using Jenkins and troubleshooted the build and deploy failures.

### General Electric

Greenville, SC

Process Engineer

Mar - April 2021

- Researched and initiated time studies to develop a lean line concept for rotor inspections, reducing TAKT time by 25 minutes.
- Spearheaded migration to Agile-like workflow by leading daily standups.
- Ran a bi-weekly quality meeting to track, document, and discuss common and complicated rotor issues.
- Demoed quarterly meeting with key stakeholders metrics based on information gathered during my quality meetings depicting: most common rotor issues, frequency, time to repair, issues during repair, and improvements.