

Motivated self-learner who believes that working with multi-disciplinary teams engineers better software solutions. Passionate about distributed back-end system design and application development. Currently seeking a role relating to back-end application development and/or cloud infrastructure.

Skill and interest areas include:

- Microservice Design and Implementation
- Building Diverse Teams around CI/CD Processes
- Melding of Infrastructure and Application Development
- Cross-Team communication and coordination

Education

M.S. Software Engineering, Rochester Institute of Technology, May 2022

B.S. Software Engineering, Rochester Institute of Technology, May 2021

Relevant Experience

Cloud Software Engineer, Deka Research & Development, August 2022 to Present

Individual Contributor on Cloud Platform Team which is responsible for developing and maintaining a IoT data platform that is consumable by teams developing SaaS solutions for Medical Devices.

- Assessed, redesigned, and implemented a log forwarding solution
- Designed and implemented a Data Management service to provide centralized, secure, data/file management that can be used directly by IoT devices for data drops in both directions. Service is currently in use by several teams and is still being actively maintained and updated.
- Create and maintain CI/CD pipelines for numerous services
- Write and Maintain scripts to facilitate deployment of services and infrastructure elements with express goal of maintaining portability for eventual hand off of platform to external customers
- Provide regular feedback to SaaS teams about best practices in using the platform
- Create and Maintain documentation for engineering use, a Quality Management System, and Regulatory Compliance
- Tools: Go, Python, Java, Groovy, Jenkins, DynamoDB, SQS, Kubernetes, Bash, Terraform

Software Engineering Co-op, Neustar, Fall 2019, Fall 2020, Summer 2021

Full-Stack engineer on a team of globally located engineers working on a variety of projects relating to a customer-facing system that supports customer relations.

- Using a set of aggregated data from Neustar's various systems, tasked with implementing necessary back-end and front-end components for an interface to view and interact with the data
- Worked with various engineers, product managers, and UI designers to fully understand the existing system, detailed requirements, and the desired interface
- Resulting interface in testing and set to be released for use by a significant portion of the client base
- Tools: React, Kanban, NodeJs, Java, Spring Framework, Gerrit, Git, Redux, Saga, Jira

Additional Experiences

While these experiences are not directly related to my experience as a Software Engineer, they help give a better picture about my professional experiences that have contributed to who I am as a leader and team member

- Eagle Scout (2016)
- 8+ years of Technical Theater Experience
 - Lighting Designer, Audio Mixer, and Stage Hand
 - Contributions both individually and as a leader