

Mid-Level Cloud Engineer with 3+ years of back-end application and cloud infrastructure design experience. Passionate about cloud architecture and design of reliable and scalable cloud-first systems. Motivated self-learner able to become productive with new technologies quickly.

Skill and interest areas include:

- Microservice Design and Implementation
- Cloud Architecture Design
- CI/CD Pipeline Design and Implementation
- Technical and Project Leadership

Education

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

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

Skills

Primary Languages: Go, Bash, Python

Additional Languages: Java, Groovy, Javascript/Typescript

Cloud Technologies: DynamoDb, SQS, SNS, S3, Kubernetes (EKS), EC2, IAM, ECS, ECR, Elasticache(Redis/ValKey)

Additional Tooling: Pytest, Jenkins, Gitlab CI, Fluentbit, Grafana, InfluxDb, Telegraf, Vault, Docker, Linux, Localstack

Experience

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

Individual Contributor to proprietary PaaS layer designed to handle medical device data. Responsible for design and implementation of backend applications utilizing cloud infrastructure elements. Additionally responsible for day-to-day maintenance of existing platform elements, assisting teams in consumption of platform, and oversight of interns.

- Led design and development of a service that wraps AWS S3 storage functionality for IoT device file upload and download management
- Assisted in the migration of services deployed to ECS to deploy to an EKS Kubernetes Cluster
- Refactored platform logging pipeline from Logstash to Fluentbit
- Designed and led implementation of a package management system for the delivery of software packages.
- Implemented Blue/Green deployment model which is now used by most services deployed by team
- Helped with regulatory compliant documentation, including automation of repetitive release documents, writing documentation, and review of documents.
- Contributed to functional and non-functional requirements sourced from high level system requirements
- Heavily involved in software testing. Wrote unit tests, functional(contract) tests, and integration tests for numerous components in platform.
- Assisted and led other teams at Deka in testing efforts ahead of product release.
- Contributed to design of team CI/CD pipelines and assisted in implementation and maintenance.

Software Engineering Co-op, Neustar, September – December 2019, September – December 2019, May – August 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