

Samantha Lipari

Software Engineer

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Experience

Co-Creator, Software Engineer, Sentinel

Jan 2022 – Apr 2022

Sentinel is an open source, platform as a service that can easily deploy and manage multiple database-backed applications, with built in support for upgrading applications via canary deployments.

- Created custom command line interface for user interactions with API server
- Utilized Terraform and Ansible for creation of API server and servers to host deployed applications
- Implemented a multi-tenant architecture for deployed applications by using Docker in Swarm Mode for container orchestration
- Utilized Traefik for external request routing to deployed applications and to implement traffic splitting for canary deployments as well as sticky sessions
- Used Docker's service discovery feature to handle networking issues
- Integrated monitoring tools Prometheus, Grafana and Node Exporter to allow users to easily determine the health of canary deployments and make decisions about promotion or rollback
- Co-author of comprehensive case study about Sentinel

Project Analyst, American Express Global Business Travel

2016 – 2020

- Assisted in creation of the Operational Excellence compliance program and was responsible for auditing meetings across multiple pharmaceutical clients

Meeting Manager, BCD Meetings & Events

2015 – 2016

- Responsible for budgeting, program development, execution and all of it's components for high level ELT programs and HCP meetings

Meeting Coordinator, Maritz Travel Company

2013 – 2015

- Managed all contracting, attendee registration and travel for domestic and international HCP meetings

Training Scheduler, American Red Cross

2011 – 2013

- Responsible for the scheduling of all contracted services within the state of NJ

Skills

Languages

JavaScript, TypeScript, Go

Back end

Node.js, PostgreSQL, MongoDB, RESTful APIs

Front end

React/Redux, HTML, CSS, jQuery

Other

Docker, Terraform, Ansible, AWS Services (EC2), Git/Github

Education

Software Engineer Core Curriculum & Capstone Cohort 2201, Launch School

2020 – 2022

Bachelor of Arts in Communication, Rutgers University

2008 – 2011