

Sean Sica

Sr. Software Systems Engineer

About Me

A highly experienced IT professional with 7 years of experience in operations, network engineering, and DevOps as well as 2 years in software engineering, seeking to leverage skills in distributed systems and cloud technology to work on back-end infrastructure at scale. Holds an active Department of Defense (DoD) secret clearance.

Contact Information

Location: Boston, MA

Skills & Expertise

★★★★ Proficient

Languages: TypeScript, Python

Frameworks: NestJS, Flask

Platforms: Docker, Ansible

Misc: GitHub Actions, GitLab CI, Networking fundamentals (TCP/IP, OSPF, EIGRP, MPLS, VXLAN)

★★★ Comfortable

Languages: Java

Frameworks: Spring Boot, ExpressJS

Platforms: AWS (API-GW, Lambda, DDB, EC2), Nginx, Jfrog Artifactory, MongoDB, MySQL, Ansible Tower, ActiveMQ

Misc: Protobuf Buffers (gRPC), JMS, Hibernate

★ Familiar

Frameworks: React.js, NextJS, Angular

Misc: Neural networks/Deep learning fundamentals

Professional Experience

Senior Software Systems Engineer at The MITRE Corporation

Aug 2021—Current

- Building and maintaining open-source web applications that enable ATT&CK© researchers to store, organize, and publish cyber threat intelligence.
- Leading the modernization of a legacy web application with renewed sponsor interest.

Senior Network Engineer at The MITRE Corporation

Nov 2018—Aug 2021

- Lead network engineer for the MA-based corporate data center. Reduced technical debt and ticket time to resolution by implementing Cisco ACI and configuration-as-code using ReactJS, Python and Ansible.

Network Engineer at Neoscope

Sep 2017—Nov 2018

Network Engineer at CMIT Boston / Apogee ITS

Feb 2015—Aug 2015

Intern at CMIT Boston / Apogee ITS

Feb 2015—Aug 2015

Technician at UNH InterOperability Laboratory (IOL)

Jun 2014—Aug 2015

Education

Bachelor of Science, Computer Science

 **Boston University** Completed 2021

Associate of Arts, Engineering

 **Great Bay Community College** Completed 2014

Certifications

Ekahau Certified Survey Engineer Completed 2018

CCNA Wireless Completed 2018

CCNA Routing & Switching Completed 2017

Network+ Completed 2015