

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