

Nathaniel Nadeau

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OBJECTIVE

Software engineer, problem solver and fast learner with full stack experience. Skilled in cloud development, architecture, and DevOps. Passionate about writing clean code and looking to collaborate with a team to solve tough problems.

EDUCATION

Stonehill College

2016-2020

BS in Computer Science

WORK EXPERIENCE

General Dynamics Mission Systems

Taunton, Massachusetts

Senior Software Engineer

June 2020 - Present

- Developed federated machine learning algorithm that could harness the limited compute power of edge devices
- Full Stack development of an on premises data lake solution to house machine learning data using Golang and React
- Cut down time to provision software on military trucks by 90% by designing a DevOps pipeline in Azure Cloud
- Coached a team through the creation of DevOps pipelines in Azure DevOps and greatly increased their efficiency
- Software lead and architect for a military e-commerce platform modernization effort worth over 100M
- Developed multiple REST APIs for e-commerce platform using AWS Step Functions, lambda and API gateway
- Architected the deployment of an entire e-commerce platform using Infrastructure as Code in multiple AWS accounts
- Architected a testing and scanning framework for e-commerce platform in dev, staging, and production AWS accounts
- Fully automated the deployment and configuration of Anthos kubernetes in AWS GovCloud and on a tactical network
- Architected the deployment of a custom hardened operating system, to AWS and Oracle Cloud through IaC
- Opened a new line of business by deploying containerized development tools at different security levels on one platform

General Dynamics Mission Systems

Taunton, Massachusetts

Software Engineer Intern

June 2019 - June 2020

- Developed containerized microservices with C++ and gRPC to create a large scale alerting platform
- Developed a machine learning algorithm to detect network anomalies and security threats

CERTIFICATIONS

AWS Certified Developer

December 2022

MIT xPRO Quantum Computing Fundamentals

December 2021

MIT xPRO Quantum Algorithms for Cybersecurity, Chemistry, and Optimization

December 2021

MIT xPRO Introduction to Quantum Computing

October 2021

SKILLS

Golang, Terraform, Python, C++, Linux, PowerShell

Containers, Virtual Machines, Kubernetes, serverless

AWS, Azure Cloud, Oracle Cloud

Agile, DevOps, DevSecOps, Git, IaC, Machine Learning, REST APIs