Connor Henderson

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EXPERIENCE

May 2022 - Present

General Dynamics Mission Systems - DevSecOps Intern

Hardened and maintained commercial-off-the-shelf (COTS) and Open-Source container images keeping up with the newest releases

Created Python Script that pulled and formatted Markdown documentation from GitLab using a GIT Python package

Made a REST call to Prisma API to get critical vulnerabilities within in-house images and append them to the Markdown files.

Used a Dockerfile to run the Python script and Jekyll build command that converts the markdown files into an HTML5 website. It then copies the website files into a HTTPd containter image

Deployed the container to Kubernetes through a YAML based CI/CD Pipeline and created a Service, and an ISTIO virtual Service so that the pod could be reached through DNS

Created a prometheus alert to detect Kubernetes pods that were terminated due to OOMKilled errors

Jan. 2022 - Feb. 2022

DISCORD BOT

Creating a bot in Nodejs that awaits user commands and responds with appropriate responses/actions, along with Git to maintain a clean code history using branches

EDUCATION

Ju. 2021 - May 2023

BRIDGEWATER STATE UNIVERSITY,
Bridgewater MA — B.S. Computer Science

Relevant Coursework

Use of agile development workflow

Application layer protocols such as SMTP, HTTPS, DNS, FTP/SCP

Routing algorithms

Low-level network protocol techniques

Aug. 2017 - Jul. 2021

FITCHBURG STATE UNIVERSITY,
Fitchburg MA — B.S. Computer Science

Discrete Math- Truth Tables, Proof techniques, Basic Set Theory, Propositional Logic, Predicate Logic, and Logical Laws

SKILLS

Python

Java

C

Golang

Markdown

YAML

SQL

GIT

Prometheus

Kubecost

Azure Container Registry

Azure Kubernetes Service

Docker

CI/CD Pipelines

BASH/SHELL

Linux