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WORK

Amazon Web Services — *Systems Engineer*

July 2022 - PRESENT

- Architect and develop cloud-native applications across a broad range of AWS services, using CDK to implement Infrastructure as Code and CI/CD pipelines
- Compose scripts and modules for use in both Linux (Debian and RHEL) and Microsoft Windows environments
- Take ownership and use initiative to proactively identify and address customer issues, following company-defined standards and best practices to ensure success while acknowledging unique compliance and security requirements

Glasswall Solutions — *Junior Devops Engineer*

DECEMBER 2021 - JULY 2022

- Developed and maintained CI/CD pipelines using Azure Devops and Github Actions
- Developed Python-based regression testing utilities for proprietary cybersecurity software
- Ensured reliability and availability across Kubernetes clusters and virtual machines on Azure and AWS

Container Solutions — *Cloud Native Engineer Intern*

JUNE 2021 - OCTOBER 2021

- Developed, tested, and wrote documentation for extensions to custom Kubernetes operators
- Contributed to CS's open source cloud native projects, predominantly using Python and Go
- Used Docker and Kubernetes to create and test containerized applications and microservices

EDUCATION

University of York — *MSc Computer Science (Distinction)*

SEPTEMBER 2020 - JUNE 2023

SKILLS & CERTIFICATIONS

Certifications — AWS Certified Sysops Administrator Associate, AWS Certified Cloud Practitioner

Languages — Python, Go, Javascript, Typescript, Bash, PowerShell

Tools — AWS, Azure, CloudFormation, EC2, Lambda, Docker, Kubernetes