

Elijah C. Agnew

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OBJECTIVE

Cloud Security Engineer specializing in multi-cloud security controls, IaC enforcement, Kubernetes automation, and enterprise CSPM/SIEM integrations. Experienced in Terraform, Azure DevOps, Prisma Cloud, and container security. Proven track record of reducing organizational risk, automating compliance, and delivering scalable cloud security solutions.

EDUCATION

Purdue University – West Lafayette, IN GPA: 3.69 Graduation Date: May 2024

- Major in Cybersecurity with a minor in Forensic Science

New York University – New York, NY GPA: 4.0 Graduation Date: May 2027-28

- M.S. in Cybersecurity

RELATIVE WORK EXPERIENCE

Penetration Testing Intern at Humana 2022

(May 22nd – August 12th)

- A part of a team responsible for the full lifecycle of a penetration test for internal and external Humana resources. My direct responsibilities consisted of the following:
 - Reviewing source code for weaknesses/vulnerabilities
 - Utilizing Burp Suite to conduct web application penetration tests to identify vulnerabilities.
 - Communicated findings to appropriate teams so that threats could be mitigated.

IT Risks and Compliance Extended Intern at Humana 2022

(August 22nd – May 12th)

- A part of a team responsible for ensuring IT compliance and risk governance throughout the organization. My direct responsibilities included:
 - Drafting bi-weekly reporting metrics for the organization to monitor controls and Issues and Opportunities (IOP)
 - Created a script in Excel utilizing Visual Basic to automate the bi-weekly reporting process.

Cloud Security Engineer at Humana 2023

(May 22nd – Present)

- A part of a team responsible for ensuring Humana's multi-cloud environments are secure and comply with Humana's security policies and regulations.
 - As an Intern on this team my responsibilities included: **(May 22nd – June 2nd 2024)**
 - Developed and deployed a PowerShell through Azure DevOps pipeline to automate resource tagging cleanup within Azure cloud environments.
 - Utilized PowerBI to create a metric dashboard to display current policy exceptions and their corresponding expiration dates.
 - Learned fundamentals of Infrastructure as Code
 - As a fulltime engineer on this team my responsibilities include: **(June 2nd 2024 – Present)**
 - Implemented Prisma Cloud CSPM policies across multi-cloud environments, improving visibility and reducing non-compliant resources through misconfigurations.
 - Designed and deployed multi-cloud security controls using Terraform, CloudFormation, Bicep, and ARM, enforcing policy-as-code at the CI/CD pipeline and blocking non-compliant deployments across Azure, AWS, and GCP.

- Built automated remediation CLIs to correct existing non-compliant cloud resources, reducing manual intervention and accelerating compliance remediation
- Integrated Prisma Cloud with Splunk SIEM to centralize audit logs and remediation events, enabling real-time dashboards for compliance tracking across hundreds of cloud resources.
- Built Azure DevOps build/release pipeline to automate Terraform workspace metrics for IaC policy compliance across the organization
- Developed and deployed container workload protection (CWP) policies within CI and deployed container images to help reduce organization attack surface.
- Collaborated with a cross-functional team to deliver the Humana Certified Registry (HCR) solution: CI/CD pull request scanning for Dockerfiles, Helm charts, and Kubernetes manifests to validate approved base image usage while restricting external image usage
- Significantly contributed to the delivery of Humana Certified Registry (HCR) solution: built a containerized scanner that validates extracted container images against Prisma Cloud trust groups, runs TwistCLI vulnerability/compliance scans on all extracted images
- Built a containerized commenter that posts comprehensive findings as PR comments giving developers actionable remediation before merging to main.
- Deployed HCR solution to Kubernetes with KEDA event-driven scaling, reducing external container image usage by and standardizing supply chain security across the organization.

ADDITIONAL WORK EXPERIENCE

Teaching Assistant for Sys. Admin course at Purdue University 2022 (August 22nd – May 2024)

- Oversaw and taught labs in basic networking configurations regarding internet protocols (IP) and domain name systems (DNS).
- Provided instructions to students on how to complete and work through lab assignments.
- Provided students with additional learning opportunities during office hours, graded assignments, and proctored exams.

SKILLS

Programming/Scripting Languages: PowerShell, Python, C/C#, Terraform, Bicep, Cloud Formation

Certifications: AZ-900, AZ-104, Terraform Associate, KCNA, Security +, CKA (In-Progress), Splunk Core Certified User