# DAMIEN BURKS

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## SUMMARY

Results-driven Cloud Security Engineer with extensive experience and expertise in designing and implementing cutting-edge security solutions within AWS. Proven track record of developing custom security frameworks and preventive controls, bolstering incident response capabilities, and streamlining security governance processes. Adept at building and deploying DevSecOps pipelines, driving large-scale application deployments, and delivering exceptional AI/ML-powered solutions. Recognized for professional appearances at renowned security conferences and a history of stellar technical documentation. Demonstrates a commitment to excellence, innovation, and education in the cybersecurity field.

## SKILLS

- AWS Security Hub, Macie, GuardDuty
- AWS CodePipeline, CodeCommit, CodeBuild, CodeDeploy
- AWS IAM, SNS/SQS, KMS, Lambda, EKS, Step Functions, EventBridge
- AWS CloudTrail, CloudWatch
- AWS Cloud Development Kit (CDK)
- HashiCorp Terraform
- Open Policy Agent (OPA) - Rego
- Jenkins/Lightspeed/GitHub Actions
- Docker/Kubernetes
- Python/Bash
- NIST 800-53, FedRAMP
- Splunk
- Prisma Cloud

## PROFESSIONAL EXPERIENCE

**Cloud Security Engineer - VP**

**Citi** - Irving, TX                                                08/2021 - Current

- Led the development and implementation of an automated AWS Incident Response framework by utilizing the AWS Cloud Development Kit (CDK)
- Decreased AWS Incident Response time via automation by over 65%
- Utilized Terraform to implement a custom AWS acceptance testing platform that tests the robustness of the custom AWS Incident Response framework
- Implemented AWS DevSecOps deployment pipeline using the following services and technologies: CodePipeline, SonarQube, CodeCommit, CodeBuild
- Deployed AWS Tier 2/3 infrastructure using Terraform Enterprise and AWS CloudFormation
- Designed and implemented robust preventive security controls within AWS using Hashicorp Sentinel and Open Policy Agent
- Developed security metrics and technical analysis to give insight into performance and trends via Splunk

and Prisma Cloud.
- Engaged business and technology stakeholders to gather goals and requirements for the development of custom security controls with AWS

### Security Software Engineer II

**Verizon** - Irving, TX                                          07/2020 - 08/2021

- Developed and designed application POCs for IT security operations and security governance processes.
- Developed and implemented a DevSecOps pipeline for large-scale application deployments to remove deployment overhead with the following technologies: Jenkins, SonarQube, Fortify, BlackDuck, Ansible
- Architected and implemented an AI/ML video-recommendation engine for an enterprise-wide ticketing management system that reduced over 35% of open requests.
- Reviewed project specifications and designed technology solutions that met or exceeded performance expectations.
- Wrote stellar documentation for APIs and automated deployment processes.

### Security Systems Engineer I

**Verizon** - Irving, TX                                          01/2019 - 07/2020

- Developed new, efficient, and well-tested code for a variety of different projects.
- Developed and maintained a custom-built email management system that is used by a small Application Security team to track and update service tickets.
- Involved in the full life cycle of software design process of other projects, including prototyping, proof of concepts, design, interface implementation, testing and maintenance.
- Contributed to the development of scalable RestAPI's of our in-house DLP product that services over 1000 internal users.
- Applied leading theories and concepts to the development, maintenance, and implementation of information security standards, procedures, and guidelines.

### High-Level Technical Support

**Texas Southern University** - Houston, TX                        09/2016 - 12/2018

- Installed and maintained university systems, network, and remedy ticketing system
- Completed troubleshooting and repair when computers experienced problems
- Made recommendations and developed technical design for new application features
- Trained users in the proper use and troubleshooting of hardware and software

### Information Security Engineer (Intern)

**Verizon** - Irving, TX                                          06/2018 - 08/2018

- Designed, maintained, and supported information security systems as part of the implementation and daily operations
- Designed a security framework using the following technologies: Docker, Jenkins, Kubernetes, Python, Git, Blackduck, Twistlock, Zap
- Implemented static/dynamic code testing, automated security scans, threat modeling, design reviews, and penetration testing of Docker containers to identify vulnerabilities and security defects
- Assisted with performing AWS EC2 baselines and constructing standard operating procedures.

## CERTIFICATIONS

- AWS Certified DevOps - Professional
- AWS Certified Security - Specialty
- AWS Certified Solutions Architect - Associate
- AWS Certified Cloud Practitioner
- Google Cloud Certified - Digital Cloud Leader

## PROFESSIONAL APPEARANCES

- Burks, D and Veliz, E (2023, June) *How Citi advanced their containment and forensic capabilities through automation.* Presented at fwd:cloudsec 2023, California, US
- Burks, D and Veliz, E (2023, June) *How Citi advanced their containment capabilities through automation.* Presented at AWS re:Inforce 2023, California, US
- Burks, D (2022, November) *Minimizing AWS S3 bucket attack vectors at scale.* Presented at BSidesDFW - 2022, Texas, US
- Burks, D (2022, August) *Automated S3 Blocking with AWS Macie & DataCop.* Presented at DevOpsDays - Dallas 2022, Texas, US
- Burks, D and Veliz, E (2022, October) *Citi's Cloud Automation Framework.* Presented at FS-ISAC FinCyber Today 2022, Arizona, US

## EDUCATION

**Master of Science**: Cybersecurity Technology
**University of Maryland - Global Campus** - Hyattsville, MD                    04/2023
- President's List: 4.0 GPA

**Bachelor of Science**: Computer Science
**Texas Southern University** - Houston, TX                    12/2018
- GPA: 3.61/4.0
- Advanced studies in networking and cybersecurity