

Zachary MILLER

■■■ SECURITY ENGINEER
WANTING TO BECOME A
SOFTWARE DEVELOPER

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ABOUT ME

I am results-driven, aiming to solve the toughest problems before they become incidents.


I have a strong self-motivated work ethic and a great interest in research and in helping my colleagues become their very best.

Work Experience

Skills

Python
Bash
AWS Lambda
Serverless Framework
Incident Response
Linux System Hardening
Security-Focused Software Development
SIEM Management (Splunk/Sumologic)
Mobile Device Management (WS1/Jamf)
Github Management
Okta Automations
DLP Monitoring
CrowdStrike Incident Responder
Slack Automations
VMDR (Rapid7, Qualys, Nessus)
Python Code Analysis and Review
Application Testing and Validation
OSes (Windows, Mac, Ubuntu/RHEL)
Google Workspaces Admin
Netskope Management

Education

 NexGenT 2021 - 2021
San Jose, CA
Cybersecurity Specialist Program

Certifications



bugcrowd

2022 - Current

Mid-Senior Security Engineer

- Developed and implemented optimization scripts that greatly improved incident response times, reducing them by nearly 82% and enhancing the overall efficiency and effectiveness of the company's operations.
- Identified and implemented cost-saving measures that resulted in an estimated annual savings of over \$175,000 for Bugcrowd.
- Created and refined the Incident Response (IR) plan for cybersecurity-related incidents, including setting up automations to continuously monitor and mitigate potential threats.
- Developed custom integrations and optimizations to serve as effective middleware within AWS Lambda for services that did not provide pre-existing solutions.
- I heavily reduced operational risk significantly and saved the company 30% on Tableau's Cloud Service Subscription by creating and utilizing a serverless lambda function to retrieve and package an audit log for use with the company's SIEM.

HercRentals™

2021 - 2022

Cybersecurity Analyst II

- Collaborated with departments on company-wide initiatives, and developed and implemented configuration hardening and optimization scripts, resulting in a 50% improvement in the DoD STIG score (95) and roughly \$560K in cost savings across all workstations and PCs.
- Developed POC environments and logging for testing third-party vendor software prior to integrating it into infrastructure, lowering operational risk and saving the organization \$40-160K by purchasing software that was more suited to our environment.
- Established and optimized middleware for apps and SaaS solutions that lacked pre-existing integrations, including on-demand scanning and patching using Qualys for over 5500 assets. This eliminated ticket creation and allowed instant feedback during patching.
- Organized a patch management program for internal and contract applications inside Rapid7, which included 88 distinct apps and 288 servers.