Jake **Derkowski**

CYBERSECURITY CLOUD ENGINEER · CYBER SECURITY ENGINEER

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# Experience

**Federal Home Loan Bank of Dallas** *Irving, Dallas*

CYBERSECURITY CLOUD ENGINEER *Sept. 2022 - Present*

* Maintained organized Azure Firewall rules, utilizing Microsoft service tags, IP groups, and regular expressions.
* Created KQL queries for data visualization, quick log analysis, and security alerts with a high true positive rate.
* Improved efficacy with customized network traffic dashboards, simplifying TCP/UDP analysis.
* Created policies and procedures to enforce the best security practices bank wide.
* Responsible for vulnerability management, ensured patches would not violate service-level agreements.
* Utilized cloud technologies to automate workflows, enrich SIEM incidents, and improve efficacy via Security Orchestration (SOAR)
* Wrote custom and schedules PowerShell and Python scripts to generate reports, security alerts, lighten workload.

**5Q Partners** *Remote, Texas*

SECURITY OPERATIONS CENTER ANALYST *Jan. 2021 - Sept. 2022*

* Upheld triage requirements defined by service-level agreements.
* Developed scripts and applications to automate tasks and workflows.
* Identified nuances in user and network activity and escalated to the client.
* Prioritized Microsoft Sentinel (SIEM) incidents by severity and potential impact.
* Investigated potential phishing incidents, via Microsoft 365 security and wrote Exchange policies for remediation.
* Provided quick and reliable response to verified threats by restricting entities, revoking user sessions, and more.
* Created customers’ Microsoft Azure workspaces, implementing best security practices and configured data connections.

**Website, Inc.** *Houston, Texas*

SYSTEM ADMINISTRATOR *May 2020 - Nov. 2020*

* Migrated and upgraded client’s resources to new servers, ensuring functionality in the new environment.
* Managed a Linux (CentOS) server environment that primarily used Apache2, MySQL databases, and PHP, over 100 client sites.
* Quickly responded to customer’s concerns and tickets by explaining or troubleshooting over the phone or SSH into their server.

# Skills

**Languages** gile Methodologies, Bash, C++, PowerShell, Python, Kusto (KQl), SQL

**Systems** Azure, Various Linux distributions and servers, Windows 10/11, Windows Server

**Tools** Azure Logic Apps, Git, Metasploit, Nessus, Nmap, Power BI, Snort (IDS/IPS), VMware, WireShark

**Network** (Azure) Active Directory, Cloud Computing & Migration, DNS, Firewalls, Group Policy, Virtualization,

**Security** Malware Information Sharing Platform (MISP), Microsoft Sentinel (SIEM), Log Analysis, Microsoft Security & Compliance, Defender for Cloud

# Education

**Sam Houston State University** *Huntsville, Texas*

MASTER OF SCIENCE, INFORMATION ASSURANCE & SECURITY *August 2020 - May 2023*

* Center of Academic Excellence in Cyber Defense Education *(Online)*

**Sam Houston State University** *Huntsville, Texas*

BACHELOR OF SCIENCE, COMPUTER SCIENCE *June 2018 - May 2020*

* Concentrated studies in Information Assurance and Digital Forensics, ABET Accredited
* Philosophy Minor **GPA: 3.33**

# Certificates & Awards

Oct. 2022 **SC-900**, Microsoft Security, Compliance, and Identity Fundamentals June 2022 **SC-200**, Certified Microsoft Security Operations Analyst

Dec. 2022 **AZ-500**, Azure Security Engineer Associate

Mar. 2020 **Regional Qualifiers**, Collegiate Cyber Defense Competition *2021-2022*

2019-21 **Dean’s list**, Sam Houston State University *Huntsville, TX*

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