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*

- Managed Azure firewall, created and modified network and application rules
- 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)

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	Agile 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*