Macoy Gehrke

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SUMMARY OF QUALIFICATIONS

Seeking a full time role while I complete my Masters in Cybersecurity from University of London, a 10 hour/week commitment. My previous work in healthcare, including 3 years at a major hospital, has taught me to focus on priorities and deadlines while working as part of a team of experts.

AWS Technical Projects

Infrastructure as Code (Terraform): Deployed and managed a complete AWS environment, including a multi-AZ VPC, subnets, gateways, and EC2 instances, using Terraform. Implemented best practices for reusable modules, remote state management, and drift detection.

Cloud Security Automation: Built automated remediation workflows using AWS Config and SSM to enforce security policies, such as correcting open security group rules and ensuring S3 buckets remain private. Enabled GuardDuty and Inspector for threat detection and vulnerability scanning.

Security & Identity Management: Architected least-privilege IAM roles and policies, leveraging permission boundaries and Access Analyzer for validation. Implemented data-at-rest encryption for EBS and S3 using AWS KMS and managed secure access via SSM Session Manager and S3 Presigned URLs.

Network Security: Designed secure VPC architectures with multi-tier subnets, stateful/stateless firewalls (Security Groups/NACLs), and deployed AWS WAF to protect application endpoints.

EDUCATION & CERTIFICATIONS

University of London Royal Holloway   Online/Remote
Masters of Science in Cybersecurity   April 2024- April 2026

University of Utah   Salt Lake City, UT
Bachelor of Science in Cultural Anthropology   August 2017-May 2019

CompTIA Security Plus Certification
ISO/IEC 27001: 2022 Lead Auditor Certification from Mastermind Assurance
Pursuing AWS Certified Security Speciality SCS-C02

PROFESSIONAL EXPERIENCE

Intermountain Health   **September 2021 - Present**
Acute Care Rehab Aide   Murray, UT
- **Extensively collaborated with more than 100** acute care physical, occupational, speech therapists, and various other hospital personnel to deliver direct patient treatments/procedures.
- Volunteered in the "cyber defenders" program where I made phishing education and awareness content for the hospital system and gave security presentations to the department.

spring.art   **January 2023 - December 2023**
PRN Data Analyst   Remote
- Collaborated with the executive team to build foundational data models for future use in the development of AI and predictive algorithms.
- **Developed database of more than 50,000 artists** to provide seed data using python and postgreSQL.
- Experienced using common SQL joins including inner, left, right, cross joins, etc.