AWS Administrator

AWS Administrator Cloud Security
Fairfax, VA

Work Experience

AWS Administrator
Personal Use — 2018 to Present

- Implementing least privilege Identity and Access Management (IAM) policies to manage user groups' and roles' accesses
- Creating and maintaining stateful port/protocol whitelist Security Groups to protect Simple Storage Service (S3) buckets and Elastic Cloud Compute (EC2) instances hosting Apache Server
- Configuring network access control lists (NACLs), subnets, route tables, and internet gateways for a custom virtual private cloud (VPC) to minimize risk
- Leveraging encryption mechanisms to protect Elastic Block Stores (EBS) volumes and S3 buckets

Cloud Architecture Security Advisor
Federal National Mortgage Association (Fannie Mae) — 2018 to June 2019

- Assessed the enterprise's cloud implementations (focusing on governance, information security, third party management, and business resiliency) in accordance with the enterprise's regulator's cloud computing requirements
- Developed security control recommendations to improve the enterprise's AWS architectures
- Provided cloud computing and AWS subject matter expertise to stakeholders, across multiple departments and levels, to improve their effectiveness
- Strengthened the enterprise's cloud policies' risk mitigation

Technical IT Risk Project Manager
Federal National Mortgage Association (Fannie Mae) — 2017 to 2018

- Improved the enterprise's security posture by diagnosing on-prem and off-prem control gaps, developing remediation plans, and validating remediation implementation
- Developed and executed a new engagement model to assess the design effectiveness and efficiency of controls in programs across the enterprise
- Partnered with the Chief Information Security Officer (CISO) and his team to help them benchmark the enterprise's cybersecurity tool-set by applying the OWASP Cyber Defense Matrix

DevOps Lead Security Advisor
Federal National Mortgage Association (Fannie Mae) — 2017 to 2018

- Developed & presented control

Advanced — CSA Cloud Controls Matrix (CCM)

Advanced — General Data Protection Regulation (GDPR)

Moderate — National Institute of Standards and Technology (NIST) 800-53 (Security 9 Controls)

Excellent — NIST Cybersecurity Framework

Excellent — NIST 800-37 (Risk Management Framework)

Advanced — 8 Fannie Mae Open Web Application Security Project (OWASP) Cyber Defense Matrix

Excellent — Service & Organizational Control (SOC / SSAE) Reporting

matrices, metrics, dashboards centered around the enterprise's DevOps risks, control operating effectiveness and continuous monitoring   Developed and presented a training course, focused on SOC reports, for multi-level staff to aid the organization in better understanding and mitigating third party risk   Received accolades for successfully bridging the communication gap between the Sarbanes-Oxley (SOX) auditors and the DevOps Engineers Public Sector Senior IT Risk Consultant Deloitte & Touche LLP 2015 to 2017 Briefed management & technical staff on the assessed level of effort required to categorize, select, implement, assess, authorize, and monitor controls   Consulted internal teams on how to compile Federal Risk and Authorization Management Program (FedRAMP) accreditation packages for cloud service providers   Managed engagements which included assessing, documenting assessment procedures, developing Plans of Action and Milestones (POAMs) to remediate control gaps, and reviewing detailed supporting documentation for regional offices, hospitals, and systems' assessment & authorization packages for Authority to Operate (ATO) and FedRAMP accreditation Private Sector IT Risk Consultant Deloitte & Touche LLP 2012 to 2015   Assessed controls for SOX audits and SOC engagements   Audited the IT controls (data center & network operations, change management, information security) of companies for Public Company Accounting Oversight Board (PCAOB) integrated audits   Developed well-received recommendations for customers to remediate control gaps identified within the SOC engagements Education Master of Science (M.S.) in Framework Experience George Mason University 2018 to May 2019 Certified Information Systems Auditor University Accreditations 2016 Bachelor of Science in (B.S.), Business Information Technology (Cum Laude) Virginia Polytechnic Institute and State University 2008 to 2012

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