

ADAM SEDGASS

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Professional Summary

Cloud Infrastructure & Operations Engineer with 8+ years of experience supporting enterprise AWS, hybrid infrastructure, and SQL Server environments. Experienced with Terraform Cloud, AWS Lambda, infrastructure automation, production incident response, and high-availability systems. Proven ability to improve operational reliability, automate workflows with PowerShell and Python, and support mission-critical SaaS platforms.

Technical Skills

Cloud: AWS (EC2, Lambda, API Gateway, IAM, VPC, CloudWatch)

Infrastructure as Code: Terraform Cloud, Git, GitHub

Automation: PowerShell, Python (Boto3), Bash

Databases: SQL Server, Always On Availability Groups, HA/DR

Operating Systems: Windows Server, Linux

Virtualization: VMware

Monitoring: SolarWinds Orion, SolarWinds DPA

Identity: Active Directory

Certifications

- AWS Certified Solutions Architect – Associate
- AWS Certified AI Practitioner
- AWS Certified Cloud Practitioner
- HashiCorp Terraform Certified Associate
- PCEP – Certified Entry-Level Python Programmer
- PCAP – Certified Associate-Level Python Programmer
- CompTIA A+
- CompTIA Network+ (Expired)

Professional Experience

Associate Cloud Engineer | Tyler Technologies | Mar 2025 – Feb 2026

- Supported Terraform-managed AWS infrastructure, focusing on drift remediation, production support, and infrastructure consistency across environments.
- Contributed to Terraform modernization efforts by migrating modules from `count` to `for_each`, improving maintainability and consistency.
- Troubleshoot failed Terraform applies by resolving configuration, dependency, and infrastructure-related issues.
- Designed and developed production AWS Lambda functions integrated with API Gateway and AWS Step Functions.

- Investigated production incidents, performed root cause analysis, and implemented corrective actions.
- Executed infrastructure changes through peer-reviewed GitHub workflows.
- Designed an AWS Lambda solution that identified cloud resources missing required tags and generated cloud governance reports.
- Developed an AWS Lambda integrating with an internal DevOps API to automate Active Directory group membership management.

Database Administrator | Tyler Technologies | May 2021 – Mar 2025

- Engineered and maintained SQL Server Always On Availability Groups supporting highly available production systems.
- Administered SQL Server environments hosted in AWS EC2 and on-premises infrastructure.
- Monitored SQL Server performance and infrastructure health using SolarWinds DPA and SolarWinds Orion, responding to production alerts and performance issues.
- Performed root cause analysis for replication failures, outages, and performance bottlenecks.
- Improved database performance through EC2 right-sizing, storage optimization, and IOPS tuning.
- Supported production SQL Server migrations from on-premises environments to AWS.
- Automated recurring administrative tasks using PowerShell.

Earlier Roles | Tyler Technologies | 2018–2021

- Progressed from IT Specialist to Senior IT Specialist to IT Analyst through consistently expanding technical responsibilities.
- Supported hybrid AWS, Azure, VMware, and Windows Server environments with a focus on operational stability.
- Administered Active Directory, VMware, backup/recovery operations, and Tier III support.
- Developed PowerShell automation to streamline repetitive administrative tasks.

Projects

- Kubernetes & Linux Home Lab: Built hands-on experience deploying containers, administering Linux systems, and troubleshooting Kubernetes workloads.

Education

Bachelor of Computer Science
University of North Texas