

Sam Miller

Results-driven software engineer with expertise in cloud technologies, automation, and scalable solutions.

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Experience

Software Engineer *September 2022 - Present*
CHEVRON: INFRASTRUCTURE AS CODE *Houston, TX*

- Implemented a unified Azure Policy management dashboard that streamlines Cost Optimization and Exception handling.
- Key Subject Matter Expert in rolling out core Azure Kubernetes CIS security policies, writing out technical documentation and hands on assistance for core applications allowing for a bold timeline of 3 months from announcement to enforcement with 100% compliance
- Conducted rigorous testing of Microsoft Defender for Containers to assist Chevron Management in their decision-making process. Provided recommendations that supported either switching to Microsoft Defender or maintaining Palo Alto Networks’ Prisma Cloud Compute suite, ensuring a cost-effective solution. The evaluation led to a confident decision and an estimated annual savings of \$3 million.
- Provided technical mentorship to team members in areas such as Linux, containers, AKS, and Ansible, facilitating a smooth onboarding process and enabling team members to deliver work items within their first sprint.
- In coordination with the Cost Optimization team, successfully launched Netapp SPOT into Chevron’s Azure environment, yielding \$6 million+ in savings during 2024 and projecting a further \$10 million+ in savings for 2025.

Software Engineer *December 2020 - September 2022*
CHEVRON: CLOUD OPTIMIZATION *Houston, TX*

- Delivered 18.2 MM dollars of savings in Azure in the teams first year
- Delivered a functional MVP for a custom resource right-sizing application, comparing against a SaaS tool. This served as the foundation for subsequent initiatives contributing to identified savings.
- Integrated a SaaS application for VM resizing into Chevron’s IT infrastructure by designing and implementing backend processes that enhanced virtual machine management and facilitated seamless collaboration with cross-functional teams.

HPC Infrastructure Analyst *May 2019 - December 2020*
CHEVRON: HPC *Houston, TX*

- As a Linux System Administrator, supported Chevron’s on-premise Linux environment, ensuring seamless operation, security, and compliance with organizational standards.
- Conducted large-scale cleanup of outdated tools in shared directories, successfully bringing over 500 servers into compliance with security standards and enhancing maintainability.

Summary

Results-driven software engineer with 5 years of experience in cloud technologies, automation, and scalable solutions.

Proven track record in optimizing cloud infrastructure for large organizations.

Proficient in a wide range of programming languages, including Python, Typescript, C#

Adept at designing, implementing, and maintaining scalable and maintainable software solutions.

Technical Skills

Languages

Python Ansible C# JavaScript
TypeScript Bash HTML CSS

Technologies

Azure Kubernetes AKS Azure Devops
Docker Linux Windows Containers
ASP.Net

Personal Interests

FOSS Self-Hosting NixOs

Education

Bachelor of Science in Computer Science *August 2015 - May 2019*

LOUISIANA STATE UNIVERSITY *Baton Rouge, LA*