

Kourosh Mobl

Senior Cloud Engineer

Results-driven Senior Cloud Engineer with extensive expertise in multi-cloud environments (AWS, Azure and GCP) and advanced automation techniques. Specializes in developing flexible, multifunctional Terraform modules and enhancing infrastructure capabilities through Bash and Python scripting. Designs client-centric solutions that prioritize engineering excellence and business outcomes. Known for transforming complex technical requirements into elegant, scalable architectures. Cultivates team growth through proactive knowledge sharing and targeted coaching, empowering colleagues to develop stronger troubleshooting skills and technical independence.

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WORK EXPERIENCE

Senior AI Engineer Coalfire Systems Inc

06/2025 - Present

Achievements/Tasks

- Founding member of the AI Trust and Security Engineering practice, pioneered AI integration strategies for traditionally manual compliance and audit processes
- Developed a multi-agent Cyber Threat Intelligence solution to proactively provide data sources for SIEM ingestion to generate efficiencies within the SecOps practice by up 50% less time spent on false alerts.
- Established best practices and governance for secure Agentic AI solution development. Leading to the creation of reusable AI agent patterns and frameworks that accelerated project delivery by 40%.

Senior Cloud Engineer Coalfire Systems Inc

09/2021 - 06/2025

Achievements/Tasks

- Pioneered development of cutting-edge Terraform modules and infrastructure automation, balancing security compliance requirements with engineering innovation to create scalable, audit-ready cloud environments.
- Championed and executed the strategy to open-source FedRAMP-focused infrastructure code, significantly reducing barriers to compliance adoption across the industry while showcasing Coalfire's technical leadership.
- Led customer-facing workshops to assess existing architectures and methodologies, partnering with clients to implement FedRAMP-compliant solutions incorporating CIS and DISA STIG hardened images, FIPS encryption requirements, and secure traffic flow designs.
- Evaluated efficiency processes of technologies used by project teams, improved bash Shell scripts, Packer code, and documentation to ensure efficient execution from junior and mid-level engineers.
- Serve as technical subject matter expert across multiple domains including networking, SIEM, IaC, and AWS services, providing daily mentorship that accelerates junior and mid-level engineers' problem-solving capabilities and career growth.
- Architected comprehensive EKS solutions for FedRAMP High and DoD environments, developing specialized Terraform modules that provision the underlying infrastructure (RDS, EC2, Elasticache) required to support Helm chart deployments, creating a fully integrated and compliant container orchestration platform.

SKILLS

Networking

CI/CD Tools

Monitoring and Logging

Configuration Management

AWS

Azure

Linux

FedRAMP

Azure Entra ID

Agentic AI

Hashicorp Packer

Hashicorp Terraform

Hashicorp Vault

Python

Bash

Firewalls

AWS EKS

AWS ECS

STIG

SIEM

Kubernetes

Docker

Helm

Containerization

CERTIFICATES

AWS Certified SysOps Administrator – Associate

AWS Certified Advanced Networking - Specialty

AWS Certified AI Practitioner

Google Professional Cloud Security Engineer

Google Professional Cloud Network Engineer

Azure Network Engineer Associate

Cisco CCNA Security

Cisco CCNA Routing and Switching

Fortinet NSE4

Hashicorp Terraform Associate

EDUCATION

Bachelor of Science in IT with Minor in CS University of Missouri

08/2015 - 12/2017

Associate of Applied Science in Network Engineering

Saint Louis Community College

01/2013 - 05/2015

WORK EXPERIENCE

Senior Network Engineer City and County of Broomfield

08/2020 - 09/2021

Achievements/Tasks

- Responsible for providing technical recommendations to public safety departments to meet their needs while maintaining a high level of data security through multi-agency connectivity solutions.
- Plan, design and build implementations and solutions for physical and virtual based networking, including but not limited to cloud networking.
- Implemented and migrated multiple VPN tunnels to a FortiGate VPN concentrator to handle essential Public Safety connectivity.
- Provide a high level of customer service to internal and external customers in the form of network security and connectivity.

Senior Engineer Flexential

01/2018 - 08/2020

Achievements/Tasks

- Senior Technical Lead of Network Architecture services, designing or re-architecting overall enterprise network infrastructure for various customers.
- Supervisory Team Lead to internship program, serving as lead engineer supporting the development of staff and acting as a mentor.
- Serve as primary liaison with new and current clients, to ensure client infrastructure, availability, and future growth needs are met.
- Design and deploy enterprise LANs, WANs and Wireless networks including routers, switches, firewalls, access points, load balancers and other network related appliances.
- Supported DevOps environments across AWS, Azure, and GCP. Including implementations of connectivity between on-prem and customer cloud environments.

COURSES

Agentic AI (08/2025)

Udacity

Building Agents (08/2025)

Udacity

Prompting for Effective LLM Reasoning and Planning (08/2025)

Udacity

Introducing Generative AI with AWS (06/2025)

Udacity

AWARDS

Orange Crush Crusader

Coalfire Systems Inc

- Awarded for being the top contributor to the development of Coalfire's Open Source Accelerated FedRAMP Architectures and supporting git repositories.

Team Member of the Quarter

Coalfire Systems Inc