Caesar Fredrick Kabalan

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PROFESSIONAL EXPERIENCE

Amazon Web Services – Solutions Architect   Phoenix, Arizona – 2022 to Present

- Primary architect partnering with all government customers in the State of New Mexico to design cloud architectures and advise on best practices using Amazon Web Services.
- Regularly leading in-depth technology discussions across all levels including CIOs leading large state agencies, technical architects, and engineers across multiple disciplines.
- Consulting weekly on complex hybrid cloud network architectures as part of a specialist networking team. Topics include integrating across AWS, Azure, Direct Connect, Express Route, Palo Alto, on-premises, co-located data centers, routing protocols, automation, often all in the same architecture.
- Spoke publicly on AWS topics at several local New Mexico events. Additionally, publicly presenting to large groups of customers to educate on cloud concepts, perform live demos, and drive progress.
- Created several public tech artifacts including blog posts and sample code demonstrating AWS Well Architected Framework best practices for scalable, reliable, and secure cloud deployments.
- Look around corners to protect customers before they have issues including proactive cost optimization, architecture reviews, security, resiliency, and overall cloud best practice advise.
- Often leveraging my wide experience to help customers tackle on-premises technical challenges to build trust and position AWS as a long term trusted partner, even before they're a customer.

W. L. Gore & Associates – Principal Cloud Engineer   Phoenix, Arizona – 2016 to 2022

- Senior engineer architecting, building, and leading the technical direction of Amazon Web Services and Microsoft Azure for a large global manufacturing organization.
- Integral in the design and implementation of a fully-automated cross-cloud VM deployment process across AWS, Azure, and on-premise VMware using ServiceNow, Ansible Tower, and Ansible Playbooks.
- Primary subject matter expert and escalation point for all things related to AWS, Azure, cloud security, cloud networking, cloud development, cloud compliance, cost optimization, and application resiliency.
- Mentoring cloud engineers, systems administrators, and developers on building skills using cloud-native technologies, understanding key cloud concepts, and implementing best practices.
- Working closely with project teams and enterprise leadership regarding strategy and timelines for the implementation of cloud services, applications, and FDA/DFARS/CMMC compliance requirements.
- Architected, planned, and migrated to a cutting-edge cloud networking strategy encompassing many AWS VPCs across regions and accounts brought together with AWS Transit Gateway, Direct Connect, VPN, and Palo Alto VM-series firewalls. Entire deployment is orchestrated with AWS CloudFormation (VPCs), HashiCorp Terraform (TGW/DX/VPN), and Palo Alto Panorama (firewalls).
- Worked as part of a team to design and develop a custom IoT platform using AWS IoT Core, IoT Greengrass, API Gateway, Lambda, Kinesis Data Firehose, DynamoDB, ElasticSearch, S3, and Cognito.
- Developed multiple Jenkins pipelines to speed up developer/admin productivity including pipelines for deploying AMIs, CloudFormation/SAM Templates, Ansible Playbooks, and Terraform.
- Worked as part of a small team to architect and build the company's first Microsoft Azure deployment including Subscriptions, VNETs, ARM Templates, and PowerShell deployment scripts.
- Founding member of a Cloud Enablement Services group which pioneered and later assisted and enabled the utilization of cloud resources by traditional infrastructure and development teams.

W. L. Gore & Associates – DataCenter Systems Engineer   Phoenix, Arizona – 2013 to 2017

- Worked as part of a team of Systems Engineers and Administrators designing and maintaining Enterprise DataCenter Systems for a large global manufacturing organization.
- Primary responsibilities included architecting, provisioning, and maintaining hundreds of Linux and Windows systems consisting of database servers, application servers, and multiple high performance compute clusters.
- Strong emphasis on scripting, automation, and monitoring including the implementation of Puppet Configuration Management to fully manage 200+ previously independent Linux systems.
- Led projects as relevant needs arose, including requirements gathering, forming timelines, vendor selection, production implementation, and system documentation.
- Championed the implementation of multiple enterprise-class monitoring products on multiple continents to monitor, analyze, and alert on server and network health worldwide.
- Heavily involved in maintaining and bringing several aspects of infrastructure into a qualified state to support business compliance with FDA regulations.

SKILLS

Cloud / DevOps / Automation

- Extensive first-hand experience consulting on and guiding customers on AWS technologies:
  - 100/200 Level – Every single AWS service
  - 300/400 Level – Core services including compute, storage, database, security, and management
  - 500 Level – Networking including 3rd party products, and influencing internal product roadmaps
- First-hand experience designing and building out Azure foundations and networking including automated VM deployments, VNETs, Express Route, ARM Templates, and Subscriptions.
- First-hand experience designing and building environments using core VMware SDDC products.
- Passionate about automation/scripting technologies including Python, Ansible, Terraform, CloudFormation/SAM, Bash, Jenkins CI/CD pipelines, Git, and Docker containers.

Security / Networking / Engineering

- Strong background in networking and security including:
  - Network design – Subnetting, Routing, BGP, NAT, IPSec, owner of visualsubnetcalc.com
  - Network security – Next-Gen Firewalls, Palo Alto, SIEM, PKI/certificates, and endpoint protection
  - Application design – Shared Responsibility Model, least privilege permissions, secure code design
- Traditional systems engineering experience including:
  - Operating Systems – Linux/RHEL, Windows/AD/File/Print, CIFS, NFS, and patching solutions
  - Virtualization – VMware vSphere, Nutanix, Data Center Hardware, EMC SANs, NetApp NAS Files

Soft-Skills / Documentation / Mentorship

- Practical experience leading teams, presenting, hosting trainings, and championing projects.
- Skilled in writing quality control documentation including systems design specifications, requirements specifications, installation qualifications, procedures, and change orders.

CREDENTIALS

AWS Certified Advanced Networking – Specialty (ANS)   Oct 2022 – Oct 2025
  https://www.credly.com/badges/49afff73-8c59-4bb7-826f-0a6c8f163945

AWS Certified Solutions Architect - Professional (SAP)   Feb 2022 – Feb 2025
  https://www.credly.com/badges/3d936f3e-1309-4040-8df1-a7009ea505ec

Northern Arizona University   Flagstaff, Arizona – Graduated May 2012
  Bachelor of Science in Business Administration – Computer Information Systems