

LEAD CLOUD & AUTOMATION ARCHITECT

Repeated success in driving technical efficiencies through disruptive methodologies.

Experienced, technical professional with over 25 years of experience in a vast array of technologies. A customer focused professional with a passion for clean cloud, DevOps, and CI/CD Pipeline development. A desire to create enterprise-scale, end-to-end automation. A proven ability to learn new technologies, develop sound architectural designs, and implement POC environments rapidly.

Areas of Expertise

- Cloud Enablement (AWS/Azure)
- IaaS Back-end development
- Infrastructure-as-code development
- DevSecOps Tool Chain Implementation
- SAFe Agile Release Train System Architecture
- O365 Tenant migration & process engineering
- Solutions Development & Technical Leadership
- Enterprise-scale automation
- Python / Batch / Bash Scripting
- API Development & Integration

Career Experience

Corewell Health – Grand Rapids, MI
System Architect - Cloud

2000 – 2022

- Currently Leading all architectural and engineering efforts for current and future foundational cloud builds
- Act as the Cloud Customer Concierge and develop all nonfunctional requirements for new subscriptions and tenants
- Developed automation that delivers Windows/Linux virtual machine in minutes utilizing Rundeck, Ansible, VMware vRealize Orchestrator, advanced JavaScript's, RESTful and SOAP API's
- In depth knowledge and experience using open-source technologies to deliver IaaS
- Develop end-to-end solutions to deliver application code through CI/CD pipelines, including Blue/Green deployments
- Azure
 - Setup of IAM integration with Azure AAD using AWS SSO
 - Lead Engineer/Architect for all of Azure
 - Maintain/create new Azure subscriptions and concierge for new customers
 - Developed automation used by engineering teams to provision managed Azure VM's utilizing Ansible, Rundeck and custom written Python modules.
 - Saved organization millions in licensing by custom developing application and automation that reconciles Office 365 licenses.
- AWS
 - Create development patterns for engineers to reuse for future deployments using the AWS CLI and Python/BotoCore.
 - Create blueprints and reusable Construct templates for developers to use to deliver modern applications.
 - Create advanced AWS Config remediation rules using custom SSM documents to remediate critical security findings.

- DevSecOps & CI/CD pipeline creation of, among others, EC2, S3, Lambda, CodeCommit, CodePipelines, CloudWatch, and Billing functions
- AWS environment automation using python/boto3
- Template and construct creation utilized by developers using CDK integrated with AWS CodePipelines
- Utilize AWS development stack and CDK integration with CodeCommit, CodePipelines, CodeBuild, and CodeArtifact
- Develop integrations with GitHub and Bitbucket cloud using CDK and AWS CodePipelines
- Developed EC2 instance provisioning process utilized by engineering teams that provision managed EC2 instances to AWS accounts using Ansible, Rundeck, and custom written boto3/python modules.
- Led the architectural and engineering efforts for an enterprise-wide workspace migration to O365 for 100,000 users, including:
 - Global & Tenant administration of all aspects of O365 Cloud Suite
 - AD Connect Integration
 - ADFS WAP Design
 - Conditional Access, CASB, and DLP
 - Microsoft Graph API interaction utilizing Python code

Additional Experience

Lead Engineer - Spectrum Health/Priority Health
Technical Architect – Getronics, Battle Creek, MI
Computer Technician – Kalamazoo Microware

Education

Bachelor of Science in Physics/Mathematics - Cum Laude – Outstanding Graduating Senior Award - Physics
 Northern Michigan University – Marquette, MI