

## 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

**Spectrum 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
- 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.
- AWS
  - Create development patterns for engineers to reuse for future deployments using the AWS cli and Python/Botocore
  - Create advanced AWS config remediation rules using custom SSM documents to remediate critical security hub 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
- Lead the architectural and engineering efforts for an enterprise-wide workspace migration to O365 for 38,000 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