Joshua Simms
Infrastructure Engineer

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Solution-focused IT professional with extensive experience architecting, implementing, and managing cloud-based and on-premises enterprise environments. Adept at leveraging cloud platforms, like AWS, Azure, and Google Cloud to design scalable, secure, and highly available technical and business architectures. Proficient in Infrastructure as Code (IaC) and CI/CD methodologies, utilizing industry-standard tools, such as Jenkins, Terraform, and CloudFormation. Proven track record of leading cross-functional teams and delivering complex cloud projects on time and within budget. Strategic leader and peer mentor with strong interpersonal, organizational, and problem-solving abilities. Seeking challenging role in cloud infrastructure engineering to apply comprehensive technical skills and contribute to strategic business objectives.

Technical Proficiencies

Cloud Platforms: Microsoft Azure | Amazon Web Services | Google Cloud Platform | Microsoft 365 | Netlify
IaC: Terraform | AWS Cloud Formation | Red Hat Ansible | Chef | Puppet | SaltStack | Azure Resource Manager
CI/CD: Jenkins | Gitlab CI | Azure DevOps | GitHub Actions | AWS CodePipeline | Docker
System Infrastructure: VMware vSphere | VMware ESXi | Citrix | Windows Domain | Red Hat Enterprise
Network Infrastructure: Cisco Catalyst | Cisco Meraki | Palo Alto | Aruba | NetScout | Fortinet | Ubiquiti
Identity Management: Active Directory (AD) | Azure AD | Active Directory Federation Service (ADFS) | G Suite | DUO | OKTA | Idaptive | OneLogin | Jamf Connect | CyberArk
SaaS: Oracle NetSuite ERP | SAP Concur | Agilysys | NCR Aloha | Clover POS | Ingenico | First Data | Shift4
Device Management: MS Intune | Microsoft Endpoint Configuration Manager | VMware | Apple Business Manager | JAMF Pro
Coding: Python | Java | JavaScript | Swift | PHP
Scripting: Powershell | Bash
Enterprise Data Management / Recovery: Code42 | Rubrik | Barracuda | Veeam
Operating Systems: macOS | Windows 7/8/10/11 | Server 08/08r2/12/12r2/16/19/22 | Ubuntu | CentOS| RHE Linux

Professional Experience

Amazon Web Services (AWS), Remote
Cloud Engineer   2022 — Present

Spearhead AWS Best practice reviews of enterprise and business cloud infrastructure by utilizing AWS Well-Architected Framework. Manage CI/CD pipelines for cloud-based applications by employing Jenkins, GitLab CI/CD, and AWS CodePipeline. Execute cloud networking components, including VPCs, subnets, routing, and load balancing. Implement CloudWatch monitoring and alerting solutions for proactive issue resolution within cloud infrastructure. Facilitate AWS design review of enterprise customer application and cloud infrastructure design, deployment, and scalability. Engage in software development life cycle, while adhering to agile methodologies. Design tools to facilitate efficient cloud spending management in AWS accounts for IT leaders. Lead development of dashboards to present actionable data to IT staff for cloud and cost optimizations. Drive establishment and enhancement of company culture focused on optimized cloud spend management.

- Developed AWS cloud infrastructure throughout its life cycle by collaborating with software, DevOps, and security engineers.
- Achieved 0% downtime by leading migration projects from on-premise to cloud environments.
- Decreased 15% in recurring incidents by coordinating root cause analysis investigations.
- Reduced 25% of infrastructure expenses by deploying cost optimization strategies.

UCLA HEALTH, Los Angeles, CA
Infrastructure Engineer   2021 — 2022

Oversaw IT infrastructure across 20 clinical locations, ensuring robust and resilient network, VoIP, wireless, and hybrid datacenter services. Managed Azure hybrid cloud infrastructure utilizing mixed Spine Leaf Cisco Catalyst and Aruba switch infrastructure, Azure ExpressRoutes, and Azure Dedicated Interconnect to ensure hybrid cloud integrity and optimize performance. Demonstrated expertise in Windows 10 Enterprise imaging and active management of Microsoft Endpoint Configuration Management (SCCM), coupled with expertise in Windows Server systems and Active Directory administration.

- Successfully set up new clinical locations in Los Angeles area by coordinating with IT vendors for smooth service integration.
- Optimized clinical operations through virtualization technologies, including XenApp, XenDesktop, vSphere, and Horizon.
- Offered technical support for Epic EHR and Kuiper satellite systems to enhance user experience and system reliability.
- Employed CI/CD pipelines for diverse applications by utilizing Jenkins and GitLab for efficient deployment.

Augusta National Golf Club, Augusta, GA
Cloud Infrastructure Engineer   2019 — 2021

Led implementation of resilient cloud infrastructure, while adhering to AWS Well-Architected Framework and ensuring robustness and scalability. Devised Cisco network infrastructure, including configuration and maintenance of switches, routers, and firewalls. Supervised team of five, comprising engineers and developers to execute IT projects, while meeting deadlines and budget constraints. Engineered Workato data integrations with SaaS cloud systems for improving business automation and connectivity. Developed application dashboards and automated continuous integration and deployment (CI/CD) pipelines by facilitating streamlined business operations. Spearheaded adoption of Terraform infrastructure-as-code (IaC) practices, while reducing deployment errors and enhancing infrastructure reliability.

- Architected Workato integration platform with NetSuite ERP for optimizing business processes and data flow.
- Introduced collaborative tools during the Covid-19 pandemic, maintaining team productivity and cohesion.
- Delivered enterprise roadmaps and directed IT life cycle of application and cloud infrastructure.

Georgia Southern University, Statesboro, GA
Executive & Athletics IT Engineer   2017 — 2019

Facilitated various departments, including Office of President, vice presidential offices, seven academic colleges, and athletics department. Configured and retained Cisco Meraki network equipment, such as routers, switches, firewalls, and wireless access points. Oversaw executive and athletic Apple and Windows enterprise devices by using SCCM and Jamf Pro.

- Enhanced training programs and competitive strategies by integrating specialized sports technology solutions, such as performance analytics software, video analysis tools, and athlete tracking systems into existing IT infrastructure.
- Guaranteed compliance with NCAA standards by administering athletic venues and game day IT infrastructure operations.
- Aided in the setup and operation of live streaming and video broadcasting systems for athletic events.

Geek Squad, Augusta, GA
Field Agent   2016 — 2017

Delivered training and education sessions at regional and district levels for Best Buy retail and corporate employees. Collaborated with cross-functional teams, vendors, and businesses to stay informed about industry trends and market dynamics. Conducted investigative activities to gather digital evidence for investigative purposes.

- Maintained meticulous documentation of services provided, work performed, client communications, and future needs, while verifying comprehensive records for reference and future planning.
- Offered technical support both on-site and remotely for residential and business customers in metro Augusta area.
- Diagnosed and resolved complex software and hardware issues in adherence to Geek Squad SOP.

Additional Experience

Network System Engineer, University of South Carolina, Aiken, SC
Computing Sales Consultant, Best Buy, Augusta, GA

Education

Master of Science in Software Engineering (MSSWE) - In Progress

Kennesaw State University, Kennesaw, GA, Ongoing

Bachelor of Science in Information Technology, Specialization in Networking & Datacenter Management

Georgia Southern University, Statesboro, GA, 2019

Certifications

Amazon Certified Solutions Architect - Professional
Amazon Certified Advanced Networking - Specialty
Amazon Certified Security - Specialty
Workato Enterprise Automation Pro II