

Profile Summary

IT Operations Leader | Infrastructure Architect | Cloud Solutions Expert

Hands-on technology leader with 25+ years of experience implementing and securing enterprise infrastructure across organizations from 200 to 30,000 users. Deep expertise in AWS cloud architecture with proven Azure and GCP implementation experience. Combine strategic leadership with direct technical execution in cloud architecture, infrastructure automation, and security operations. Track record of building high-performing teams while maintaining security compliance in DOD environments. AWS Certified Developer focused on practical, cost-effective solutions through DevSecOps and infrastructure automation.

Core Competencies

Technical Leadership

- Cloud Architecture & Security (AWS primary, Azure/GCP)
- Infrastructure Automation & DevSecOps
- Security Compliance & Risk Management
- Enterprise System Design & Implementation

Leadership Approach

- Hands-on Technical Direction
- Team Development & Mentoring
- Strategic Planning & Execution
- Cross-functional Collaboration
- Empathy Focused Servant Leadership

Technical Skills

Cloud & Infrastructure

- Primary focus on AWS (EC2, ALB, ASG, ECS, EKS, Route 53, S3, Lambda, CloudWatch)
- Additional experience in Azure, GCP
- DevSecOps & IaC: Docker, Kubernetes, Terraform, Ansible, GitLab CI/CD
- Data Center: Architecture, Resource Management, Migration, Hardware Management

Networking

- Enterprise Networking: TCP/IP, DNS, DHCP, VPN
- Network Infrastructure: Routers, Switches, Load Balancers, Firewalls
- Cloud Networking: VPCs, Subnets, Security Groups, NACLs, Direct Connect
- Network Security: Segmentation, Access Control, Traffic Monitoring

Security Operations

- Classified Data Spill Remediation
- Incident Response and Risk Assessment
- Security Standards: NIST CSF, ISO 27001, DFARS, SOC2
- Compliance Implementation: GDPR, Web ADA
- Enterprise Security Architecture:
 - Data Access Governance and Audit Systems
 - Secure unstructured data management
 - Security controls for hybrid environments
 - DoD-compliant cloud security architecture

Systems & Services

- Virtualization: VMware, Hyper-V, VDI (Citrix, Horizons, MS RDS)
- Operating Systems: Windows Server (NT-2023), Linux
- Directory Services: Active Directory, LDAP
- Web Servers: MS IIS, Apache, NGINX
- Enterprise Servers: HP/IBM/Dell Servers
- Storage Solutions: Server-attached Storage Arrays, NetApp, EMC filers, SAN/NAS
- Remote Hardware Management and Data Center Resource Management

Development & Automation

- Source Control: Git, GitLab, GitHub
- Scripting/Programming: Python, PowerShell, Bash, Visual Basic, .NET, C/C++, Perl
- Database: MS SQL, PostgreSQL, MySQL, MariaDB, Cassandra, DynamoDB
- AI/ML: LLMs, OpenAI API, RAG, Langchain, PyTorch, CrewAI

Collaboration & Management

- Service Management: ITIL, ServiceNow, Change Management
- Collaboration Tools: Mattermost, Slack, BigBlueButton
- Project Tools: Word, Excel, PowerPoint, Visio

Professional Experience

Leadingbit Solutions, Inc. - Austin, TX (03/2021 – Present)

Director of IT Infrastructure and Operations / Solutions Architect / CTO

Security and Compliance Leadership

- Implemented security controls and processes aligned with NIST and SOC2 requirements
- Led security audit processes and vendor security assessments
- Direct involvement in security incident response and remediation
- Established security frameworks for open source platforms

Technical Operations & Infrastructure

- Architected and implemented containerized AWS deployments using Infrastructure as Code to provision and manage production environments (VPCs, ALB, ASG, ACM)
- Led implementation and optimization of hybrid cloud environments across AWS, Azure, and GCP
- Reduced deployment time by 65% while maintaining security compliance and high availability for 200+ users
- Established comprehensive monitoring and alerting frameworks
- Automation & Efficiency:
 - Implemented CI/CD pipelines, reducing deployment cycles by 65%
 - Automated security audits and compliance checking
 - Streamlined application updates through containerization

Executive & Team Leadership

- Key strategic advisor to CEO, driving company growth through technology leadership
- Managed a diverse, global team of engineers and project managers
- Led technical roadmap development and policy formulation
- Keynote speaker at industry events and community forums

BAE Systems, Inc. - Austin, TX (07/2008 – 03/2021)

Enterprise Cloud Services Operations Manager

(03/2012 – 03/2021)

Team & Resource Management

- Led and developed teams of up to 15 IT professionals
- Managed ServiceNow queues across multiple teams
- Coached and mentored the help desk, desktop tech, and server admins to engineers, architects, managers and directors

Security & Compliance Leadership

- Directed implementation of cloud security controls meeting DFARS cybersecurity requirements and NIST 800-171 standards, protecting Controlled Unclassified Information (CUI)
- Led cloud operations team in responding to and mitigating major cyber security incidents
- Architected DevSecOps solution for enterprise and designed CONOPS for implementation
- Managed closed Top Secret classified environments and data spills
- Architected enterprise solutions for data access governance and security audit artifact management

Cloud & Infrastructure Operations

- Cloud operations technology lead for External Cloud Foundation Project, implementing AWS and Azure infrastructure meeting DOD security requirements
- Architected and implemented hybrid cloud infrastructure supporting enterprise-wide operations
- Managed upgrade of 1500 Windows 2003 servers, securing environment and ensuring compliance
- Directed Data Center relocation and consolidation, saving \$4.5M in operating costs
- Designed maintenance processes for system upgrades and patching, saving \$600K annually

Strategic Business Impact

- Spearheaded cloud infrastructure component for \$1.2B divestiture preparation
- Developed vendor partnership, saving \$217K in project costs and \$43K annually

- Implemented Enterprise File Services solution, saving \$500K in storage costs
- Consolidated Citrix infrastructure, saving \$25K annually through license optimization

Awards & Recognition

- Safeguard Recognition Award: Major Cyber Security Compromise mitigation
- Impact Award: Regional Data Center Infrastructure upgrade
- Bronze Chairman Award: Internal Live Broadcasting solution
- Difference Maker and Pathfinder Award: Shared Strategic Assessment

Senior Principal Systems Engineer

(07/2008 – 03/2012)

Security & Technical Operations

- Managed closed Top Secret classified environments and data spills with secured Windows Servers, Unix Servers, storage, network, and desktops
- Implemented secure automation processes using multiple scripting languages for Windows and VMware environments
- Managed Active Directory security utilizing login scripts, OUs, GPOs, and DFS
- Led resolution of mission-critical security issues and outages impacting enterprise operations

Recognition

- Data Center Consolidation Achievement Award: Secure consolidation of multiple sites into Regional Data Centers
- Virtualization Environment Upgrade Award: Secured unmanaged virtualization environments at remote sites
- Exceeding Service Levels Award: Consistently exceeded service and project timelines with highest customer satisfaction

Computer Sciences Corporation - Austin, TX (03/1998 – 07/2008)

Senior Principal Computer Scientist - Solutions Architect

Key Achievements

- Led IT solutions for government and defense clients, ensuring security compliance and infrastructure reliability
- Directed technical teams (6-13 engineers) in implementing secure infrastructure solutions
- Led IT Red Teams for security and infrastructure incident resolution
- Managed compliance requirements across banking, insurance, and defense sectors

Infrastructure & Security Implementation

- Designed and implemented secure MS Windows Server infrastructure meeting strict compliance requirements
- Architected secure data center migrations for major energy sector clients
- Developed security-focused best practices for new business contract proposals
- Managed secure application and data migration to CSC data centers

Volunteering and Community Projects

- IEEE SA Open Security lead and Technical Advisory Group member (2020-2023)
 - Led implementation of IEEE SA Open Community Platform using IaC and DevOps practices
 - Maintained CI/CD pipeline and security frameworks for open source platforms
- Member of Defense Industrial Base (DIB) Sector Coordinating Council Cyber Task Force (2019-2021)
 - Contributed to supply chain security and infrastructure standards
- Presenter on Platform Engineering, OpenUK State of Open 2023
- Speaker at OSCON and InnerSource Commons
- Active participant in open source conferences and community events
- Established connections with numerous open source communities

Education, Certifications, and Training

- AWS Certified Developer – Associate
- ITIL v3 Foundations
- Technical presentations for Executives
- Essentials of People Management
- Agile Project Management Fundamentals
- Toastmaster International Competent Communicator and Competent Leadership training
- DoD Top Secret Clearance - SCI eligible (2006 - 2021) eligible for readjudication
- Baldrige Business Practice Training at K&N Management - The Love of Excellence
- Technical Recruiting and Behavioral Interviewing Training
- University of Texas at Austin - Computer Science, Bachelor of Science degree plan