

Rod Peterson

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Summary of Qualifications:

Accomplished **Cloud Architect** with a strong background in client/server testing, systems and application monitoring, infrastructure architecture, and cost optimization. Adept at designing and implementing scalable, secure, and high-performance cloud solutions while ensuring compliance with industry standards.

- Technically well-rounded; skilled in diagnostics, troubleshooting, and problem solving, ensuring seamless system performance and reliability.
- Encourages autonomy and decision-making among team members, fostering a high-retention, motivated workforce, resulting in exceptional team retention.
- Experienced in cloud adoption, migration, deployment, and disaster recovery planning, enhancing operational security, efficiency, and business continuity.
- Proficient in developing Visio Architecture Diagrams for clear infrastructure representation, system documentation, training programs, testing procedures, and backup strategies to streamline infrastructure management.
- Certifications and Security Clearance:
 - AWS Certified Solutions Architect – Associate, AWS Certified Cloud Practitioner
 - VMware Certified Professional 5 (VCP 5)
 - Security Clearance: T3 Public Trust, NASA Level of Confidence: 50

Professional Experience:

AWS Solutions Architect at NASA Glenn Research Center

August 2020 - Present

- Initiated the deployment of AWS File Storage Gateway across both Commercial and GovCloud environments, leading the successful migration of data to Amazon S3.
- Developed and maintained the AWS System Security Plan, designed comprehensive CloudTrail logging strategies, and implemented S3 Lifecycle Rules for robust data governance.
- Optimized cloud usage strategies, implemented AWS tagging policies, and achieved significant operational cost reductions through strategic optimization.
- Created and maintained AWS GovCloud documentation, Systems Administrator Guides, and End User Guides, enhancing operational efficiency and user proficiency.
- Collaborated with vendors to evaluate and implement solutions that aligned with NASA's cloud strategy.
- Ensured high availability and performance of AWS and on-premises servers through proactive maintenance and monitoring.

AWS Cloud Architect at Department of Defense

June 2018 – June 2020

- Spearheaded the successful migration of the USFHP Designated Provider Data from Terremark datacenter to AWS GovCloud, architecting a secure and scalable cloud infrastructure.
- Designed and implemented a comprehensive AWS GovCloud solution, leveraging Amazon RDS, Application Load Balancers, CloudTrail, CloudWatch, EC2, Elastic IPs, KMS, S3 encryption, and robust Security Groups across production, test, and development environments. Automated operations using Snapshot cleanup scripts and Lambda Start/Stop scripts.
- Implemented and maintained Security Content Automation Protocol (SCAP) Compliance Checker, ensuring adherence to DISA Security Technical Implementation Guidelines (STIGs). Managed IAM policies and deployed MFA security for enhanced authentication.
- Maintained and optimized Amazon Machine Images (AMI), updated systems, and reduced operational costs through resource efficiency improvements.

- Developed and maintained essential documentation, including a Systems Administrator Guide and contributions to multiple Engineering and User Manuals, ensuring knowledge transfer and operational clarity.

Cloud Architect at Department of Veterans Affairs

June 2012 – March 2018

- Pioneered the VA's inaugural private IaaS cloud deployment across Austin and Philadelphia datacenters, architecting and implementing a VMware vCloud Director-based solution. Led system design documentation and established a comprehensive testing lab, ensuring successful and scalable cloud infrastructure.
- Provided expert analysis of customer system designs, delivering strategic recommendations aligned with enterprise operations compliance. Developed and presented tactical solutions for executive approval, streamlining project implementation.
- Engineered secure and scalable private IaaS cloud services, collaborating with vendors to evaluate and integrate optimal hardware, services, and architectural solutions.
- Actively contributed to the VA Enterprise Public Cloud initiative, leveraging Amazon Web Services (AWS GovCloud) and Microsoft Azure to advance cloud adoption.
- Influenced industry standards through participation in NIST initiatives, including the Big Data Working Group, Standards Acceleration to Jumpstart the Adoption of Cloud Computing (SAJACC), and Cloud Services, demonstrating leadership and technical expertise.

Enterprise Technical Support Analyst at Dell Inc.

November 2010 – June 2012

- Maintained critical virtualization infrastructure, leveraging Dell Servers, Blade Servers, Cloud Servers, Storage Arrays, and PowerConnect Switches to ensure optimal performance and reliability.
- Delivered advanced virtualization solutions, implementing VMware vMotion, Storage DRS, High Availability, and Fault Tolerance, as well as configuring Fibre/iSCSI storage for enhanced data management.
- Expertly managed and optimized VMware vSphere 4 and 5, Citrix XenServer, and SAN environments, providing specialized analysis and troubleshooting.
- Drove exceptional customer satisfaction, consistently leading the team in positive survey results and exceeding service level agreements.
- Served as a key liaison, presenting the Virtualization Group's capabilities and solutions to external management teams, fostering strategic partnerships, and demonstrating technical expertise.

Other Relevant Experience:

IT Manager at Usability Sciences Corp

October 2003 – June 2010

Software Test Engineer at Microsoft Corporation

January 1999 – September 2003

Workstation Analyst at Fort Wayne National Bank

March 1992 – December 1998

Certifications:

- AWS Certified Solutions Architect Associate
- AWS Certified Cloud Practitioner
- VMware Certified Professional 5 (VCP 5)

Technical Skills

AWS CloudTrail, AWS CloudWatch, AWS Elastic Ips, Security Groups, Lambda scripts, MFA security, S3 Bucket encryption, Amazon Machine Images (AMI), Application Load Balancers, AWS Elastic Compute Cloud (EC2) AWS Key Management Service (KMS), Identity and Access Management (IAM), Amazon Relational Database Service (Amazon RDS), Security Content Automation Protocol (SCAP) Compliance Checker, DISA Security Technical Implementation Guidelines (STIGs), VMware vSphere 3.5 to 6.5, VMware vCloud Director Microsoft Server NT4 up to Microsoft Server 2022, SAN, iSCSI, Fibre, DAS, NAS, SCSI, SAS, SATA, BeOS 3-5