

Education & Certifications:

AS - Electronics Engineering Technology (Graduated 2001) -- Hamilton Technical College - Davenport, IA
Security Clearance: Top Secret (Active) - (Since 2024)
CISSP - Certified Information Systems Security Professional 343048 (since 2009)
AWS Certified Solutions Architect - Associate (since 2019)
AWS Certified SysOps Administrator (since 2019)
AWS Certified Solutions Architect Professional (since 2021)
AWS Certified Advanced Networking Specialty (since 2021)
AWS Certified Security Specialty (since 2022)
AWS Certified AI Practitioner (Since 2024)
AWS Certified Cloud Practitioner (since 2019)

Employment History:

7/2025-Present *Amazon Web Services - Austin, TX*
Principal Solutions Architect - AWS Security

As a Principal Solutions Architect within AWS Security Risk and Compliance, my work focuses on internal engineering impact across AWS—improving how we design, document, and operate secure, compliant cloud services at global scale. I partner with service teams, compliance engineering, and field organizations to define architectural standards, build internal tooling, and influence AWS-wide strategy for security and regulatory alignment.

Shortly after joining the organization, I identified significant operational inefficiencies in how security and compliance data was accessed and integrated across teams. I authored a detailed assessment for senior leadership that shifted organizational priorities toward automation, integration, and engineering-led mechanisms. This work continues to influence AWS's internal working methods and the long-term roadmap for compliance tooling and documentation systems.

I conducted a comprehensive security and compliance analysis across more than 150 AWS services, evaluating documentation completeness, architectural patterns, and control alignment to better support regulated customers and auditors. To scale this effort, I designed and delivered an AI-driven documentation analysis tool that was directly adopted by the AWS IAM documentation team. This tool became part of their workflow, improving the accuracy, consistency, and efficiency of security documentation reviews across AWS.

I architected and authored the FedRAMP Rev5 Secure Configuration Guidance used internally by AWS to maintain its regulatory posture, and I contributed to the AWS DISA Secure Cloud Computing Architecture (SCCA) framework that underpins secure cloud adoption for DoD and enterprise customers. I also built CloudFormation templates and internal tooling used in AWS workshops that serve thousands of customers globally, and I created CI/CD pipelines for internal tools leveraging generative AI technologies. In addition, I routinely participate in design and documentation reviews for AWS services to ensure security, scalability, and compliance at global scale.

In this role, my work is centered on solving complex, high-risk technical problems while shaping how AWS itself builds and operates secure, compliant platforms. I partner with senior engineering leaders, compliance stakeholders, and field experts to drive long-term architectural standards and internal platform improvements.

9/2022-7/2025 *Amazon Web Services - Austin, TX*
Principal Specialist Solutions Architect

As a Principal Specialist Solutions Architect in AWS Sales, I worked directly with US Federal, and State and Local Government customers to help them adopt AWS securely and efficiently, with a primary focus on Microsoft workloads, security, and compliance. My role combined deep technical expertise with strategic guidance, helping customers modernize their environments, reduce operational overhead, and meet stringent regulatory requirements while taking full advantage of AWS services.

I authored the Securing Windows Workloads on AWS Workshop, the first of its kind to show customers how to use native AWS security services to harden and protect Microsoft workloads. I also created the AWS DISA Secure Cloud Computing Architecture (SCCA) framework, which provides DoD and enterprise customers with prescriptive, cloud-native guidance for building secure architectures on AWS. This framework is published externally as AWS Prescriptive Guidance and has become a foundational reference for regulated customers.

Beyond security, I authored and co-authored several public-facing cost optimization guides that helped customers reduce spend through modernization and architectural improvements. I launched the first AWS Activation Day for FSx for Windows, using CloudFormation templates and a curated workshop I developed to help customers quickly deploy and adopt AWS services in their own accounts. I also worked with AWS partners to improve data collection processes for migration assessments and to expand offerings that helped customers reduce Microsoft licensing costs through downgrade eligibility and better architectural design.

In parallel, I led and supported large-scale migration and modernization efforts, including moving hundreds of servers to AWS using tools like AWS MGN and helping customers refactor applications to operate more natively in the cloud. These engagements required balancing technical strategy, operational readiness, and cost management over multi-year timelines. I also created and hosted livestream content on the AWS Twitch.tv channel, helping other Solutions Architects share the architectural reasoning behind their solutions, whitepapers, and best practices.

Across this role, my focus was on helping customers adopt AWS securely and effectively at scale, while contributing to AWS's broader field enablement, security guidance, and technical leadership.

Employment History:

1/2019-9/2022

Amazon Web Services - Austin, TX

Principal Technical Account Manager\Enterprise Support Lead

As a Principal Technical Account Manager, I served as a force multiplier within the AWS Enterprise Support organization, working closely with leadership and cross-functional teams to build new programs, improve operational processes, and guide enterprise customers through large-scale modernization efforts. I partnered with AWS Fraud, AWS Professional Services, the Office of the CISO, and multiple internal engineering teams to deliver wide-reaching security and operational initiatives that improved customer outcomes and strengthened AWS service adoption.

I led multi-year migration and modernization programs for major enterprise customers, including the movement of thousands of servers to VMware Cloud on AWS and cloud-native AWS services. These efforts required deep technical strategy, operational coordination, and cost management planning. My work helped customers transition away from legacy, self-managed infrastructure and adopt managed services that reduced operational overhead and improved long-term scalability. In 2022 alone, I delivered more than \$3M in annual cost optimization through modernization, architectural improvements, and strategic roadmap guidance.

I contributed extensively to AWS's internal and external knowledge base by authoring documentation, workshops, and best-practice guides for services such as Trusted Advisor and EKS. I also created and delivered global training programs for new TAMs on AWS internal tooling and Elastic Block Store (EBS), training more than 100 TAMs and becoming a Global Master Trainer. My work in the AWS Microsoft Technical Field Community included advising service teams on security considerations for Microsoft workloads and mentoring new members into the community.

In addition to supporting existing customers, I played a key role in expanding the AWS Enterprise Support customer base by demonstrating the value of AWS support programs. These efforts contributed to more than \$500K in new annual support revenue. Throughout my time in Enterprise Support, I focused on building mechanisms, improving operational excellence, and mentoring technical talent to help them grow into principal-level roles.

6/2018-01/2019

TaskUS - San Antonio, TX/Santa Monica, CA

Global Senior IT Systems Engineer

As the Senior IT Systems Engineer at TaskUS, I worked with global IT teams to ensure operational stability across multiple international sites. I designed a new reference architecture for future site deployments that reduced costs by \$40K per site through improved Microsoft Active Directory design and optimized virtualization strategies. I administered large ESXi clusters across the US, Mexico, the Philippines, and Taiwan, and I optimized AWS infrastructure deployments using EC2, ALB, and EBS.

I developed and deployed the company's global knowledge base system, creating documentation and operational processes that did not previously exist. I also led new site deployments, designing hardware and infrastructure architectures that met operational requirements while reducing cost and complexity. Additionally, I saved the company \$24K annually by identifying a more cost-effective hosting provider for TaskUS.com.

8/2014-6/2018

Rackspace Managed Hosting - San Antonio, TX

Windows | Strategic Enterprise Architect

As a Strategic Architect at Rackspace my job was to work with my customers to assist in providing a solution that helped them to meet their IT needs by providing expert technical assistance with Rackspace's line of products and assisting with bridging their dedicated environment to cloud infrastructure such as AWS, Azure or Rackspace Cloud. I lead the technical infrastructure and development needs for over \$900k+ per month of company revenue. Assuring they stayed current in technologies and could meet their company goals.

In my position, I was my customer's technical liaison and expert on the account team. I routinely worked with and oversaw work done by Systems Administrators on the support floor to assure proper support given to the accounts and assist with process improvement for my accounts as needed. I worked to provide infrastructure guidance for the customer directly and provided architectural upgrades and modification to improve overall performance and reliability of the infrastructure. I was able to work as a partner between my customer and Rackspace to offer a 36% discount on their environment by committing to a 36-month contract, saving the customer money and assuring continued business.

Within Rackspace I strive to be a leader in the community and offered mentoring and learning opportunities to other Rackers. Helping to up-skill new talent within the organization. I mentored three people from Admin to Engineering roles.

Employment History:

8/2013-8/2014

*Rackspace Managed Hosting - San Antonio, TX
Windows | Systems Administrator*

My roles within Rackspace included providing fanatical support for all customers within Rackspace Enterprise service unit. These systems included many different technologies including Microsoft Windows Server 2003 to Windows Server 2012 R2 as well as Microsoft SQL Server and additional Windows components such as IIS.

In my roles as a Windows Administrator at Rackspace I was responsible for providing support to critical systems that the customers rely on for their day to day business operations. I responded to alerts and tickets generated in our ticketing system and worked to keep all systems in working operations for the customers. I worked with various other teams in the organization to troubleshoot and resolve small to large issues, including collaborating with network, storage and other teams.

I also worked to assist customers that did not have dedicated System Engineers on their accounts. I helped to find the best solution for their needs, make architecture recommendations, as well as assisted with infrastructure migrations and upgrades to their existing environment.

4/2001-8/2013

*College of Public Health/University of Iowa - Iowa City, IA
Windows & Linux | Senior Systems Administrator*

As the lead Senior Systems Administrator I was responsible for all infrastructure design and implementation to customer specifications. This involved leading the development, design and implementation of server systems necessary for the collegiate level and research project level. Many projects include specific application needs and restricted data access for the storage servers requiring the utmost of attention to detail to assure data security.

I worked with researchers to implement, deploy and support IT Infrastructure for their research grant needs. In addition to the needs of the collegiate education systems. I also worked to optimize cost and efficiency by working to move from bare metal servers to implementing the college's first virtualized environment running on Hyper-V. This helped reduce the physical space, and power requirements for the college.

During my time at the University of Iowa I helped a number of researchers setup isolated, air-gapped data systems for use with sensitive data research projects, this included implementation of PGP and Bitlocker to securely encrypt the data, plus establishing physical security access of the systems. Additionally I worked with researchers to help establish more secure and redundant data storage mechanism for their research data, moving from storing hard disks in safes, to leveraging encrypted network isolated NAS devices to help secure the data.

Outside of direct support of customer environments within the College of Public Health, I was also involved in several campus wide initiative for the University of Iowa, including the creation of the basis for the CISO Office's campus wide data retention and data security policy which was a new initiative for the University of Iowa. I sat on the University wide Active Directory Enterprise Administrations panel, that helped design, and govern the universities, Active Directory infrastructure. I additionally helped to decide on, and test the university wide VPN solution, that was setup in response to a potential pandemic crisis. This also allowed for a more restrictive university network to be deployed, as previously there was no firewall infrastructure in place.

Key Skills:

- Experienced with security standards and regulatory standards to protect data and maintain data integrity (5+ years)
- Experienced with Microsoft server products (Active Directory, MSSQL 2012-2016, IIS 6-8+, RDS, Hyper-V, DFS) (20+ years)
- Experienced with Linux server technologies (NFS, SAMBA, SSH, SFTP, Apaches, MySQL,) (10+ years)
- Experienced with virtualization technologies (VMWare ESXi, Hyper-V) (10+ years)
- Experienced with AWS Services (EC2, EBS,RDS,EFS,Storage Gateways, VPC, Microsoft AD, FSx for Windows) (7+ years)
- Experienced with large-scale migrations to the cloud (5+ years)
- Experienced with