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CURRICULUM VITAE

Personal Profile

Results-driven IT professional with 15+ years of experience designing, automating, and supporting secure, PCI-compliant hybrid infrastructures across AWS Cloud and on-prem environments.

Adept at leveraging Terraform, Ansible, and CI/CD pipelines to deliver resilient, scalable systems that reduce risk and accelerate delivery. Skilled in Linux, Windows Server, and DevOps tooling, with a proven track record of leading complex projects, mentoring teams, and embedding Agile practices to improve collaboration and transparency.

Recognized for combining deep technical expertise with clear communication and knowledge transfer, enabling organizations to adopt automation confidently and sustainably.

Skills Summary

Cloud & Infrastructure

- AWS: VPC, EC2, Auto Scaling Groups, Launch Templates, Security Groups, ALB, ACM, Route53, Elastic IP, DynamoDB (state locking), S3 (state/object storage)
- Hybrid infrastructure build and support (AWS Cloud + on-prem)

Automation & Configuration Management

- Terraform (modular manifests, state management, reusable components)
- Ansible (large-scale deployments, provisioning, Kubernetes cluster builds)

CI/CD & DevOps Tooling

- GitHub Actions, AWS CodePipeline / CodeBuild
- Git, Bitbucket, GitHub (version control and CI/CD)
- Automated documentation pipelines (buildspecs, terraform-docs)

Collaboration & Project Management

- Agile methodology (workload transparency, cross-team collaboration)
- Jira project design and administration
- Confluence, SharePoint for documentation and team enablement
- ITIL framework familiarity

Systems & Platforms

- Multi-disciplined - Windows Server, Linux and DevOps tools and techniques

Achievements

- Automated deployment of a large-scale credit card management platform with Ansible, reducing manual effort and deployment time by 60%.
- Designed modular Terraform components reused across multiple environments, improving consistency and cutting infrastructure build times.
- Implemented autoscaling and launch-template patterns with predictable tagging and bootstrapping, enhancing reliability and reducing operational overhead.
- Integrated ALB, ACM, and Route53 for automated TLS and DNS management, strengthening security and accelerating service delivery.
- Built CI buildspecs and GitHub Actions workflows to automate documentation and pipeline tasks, increasing transparency and reducing errors.
- Designed and administered multiple Jira projects, enabling teams to adopt Agile practices and improve delivery efficiency.
- Facilitated knowledge transfer sessions and bootcamps, equipping colleagues with DevOps and Agile skills - recognized for clear communication and mentorship.

Career History

Senior Systems Administrator - TSYS (Global Payments)
September 2009 - September 2025

Key Responsibilities & Impact

- Designed and built infrastructure with Terraform, enabling scalable, modular deployments across multi-AZ environments.
- Developed and maintained CI/CD pipelines (GitHub Actions, AWS CodePipeline / CodeBuild) to accelerate delivery and reduce manual errors.
- Automated and supported mission-critical credit card payment and fraud detection platforms using Terraform and Ansible.
- Championed Agile methodology adoption, improving collaboration and transparency across geographically distributed teams.
- Created and maintained DevOps tools and collaboration platforms (SharePoint, Confluence, Jira, GitHub) to streamline project delivery.
- Facilitated bootcamps and knowledge transfer sessions, mentoring colleagues in DevOps practices and Agile frameworks.
- Authored standards and documentation to ensure reproducibility, enable future automation, and support smooth project transitions.
- Partnered with Information Security teams to proactively identify and remediate vulnerabilities, strengthening compliance posture.
- Supported disaster recovery planning, testing, and documentation to enhance resilience and business continuity.

Major Projects

AWS Integrations / In-Flight Projects

- Built multi-AZ VPCs with modular subnets and outputs, enabling scalable and reusable infrastructure.
- Implemented separate security groups for bastion, private instances, and load balancers, strengthening security posture.
- Automated ALB + ACM + Route53 integration for TLS and DNS, reducing manual configuration and downtime.

- Deployed Auto Scaling Groups with launch templates and target tracking policies, ensuring predictable performance under load.

3D-Secure Fraud Detection Platform Expansion

- Scaled infrastructure to support new clients, significantly increasing platform capacity.
- Coordinated multi-team automation efforts to deliver a highly critical fraud-detection system.

HP BPM / BSM Monitoring Solution

- Designed and implemented BPM Proof of Concept for synthetic application monitoring and Load Testing.
- Established standards for BPM solutions, improving observability and proactive issue detection.
- Delivered monitoring framework still in use today, supporting TSYS International datacenter operations.

AirPlus (Lufthansa Subsidiary) Prime Migration

- Architected and deployed multi-institution, multi-currency payment infrastructure from scratch in UK datacenter.
- Documented complex architecture extensively, enabling support, design, and delivery teams to operate confidently.
- Introduced Agile methodology across teams, improving collaboration and delivery of a demanding, multi-team project.
- Laid groundwork for future automation and continuous improvement through reusable documentation and standards.

Certifications & Training

- AWS Certified Cloud Practitioner - Verified credential (Badge ID: 7778f07e-79e9-467c-af5a-19928d4efd08)

- HashiCorp Terraform Associate (003) - Verified credential (Badge ID: 9ae8512e-7caf-46b3-9787-84858655e1ec)

- AWS Certified Solutions Architect – Associate – In Progress (expected completion 2026)

References & Code Samples

Terraform Infrastructure as Code (AWS) – GitHub Repository

- Modular Terraform code, Bash provisioning scripts, CI/CD configurations
- Demonstrates reusable infrastructure patterns and automation best practices

Ansible Homelab Kubernetes Cluster – GitHub Repository

- Playbooks for building a K3s Kubernetes cluster with HAProxy load balancing
- Showcases automation of complex multi-node environments and DevOps tooling