Jay Tillu

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Summary

Cloud Security Engineer with 4+ years of experience across AWS Cloud Security, Compliance, and Information Security. Hands-on experience implementing and securing multi-account AWS environments using AWS Organizations, AWS Control Tower, IAM Identity Center, Amazon VPC, and AWS networking services. Led migration of 1,000+ S3 buckets, resolved 40+ SOC 2 findings through Vanta, and conducted security assessments for 15+ third-party vendors. Experienced in cloud governance, incident response, compliance automation, and infrastructure security.

Career Highlights

- Secured multi-account AWS environments supporting SOC 2 Type II readiness.
- Supported migration to AWS Organizations and Control Tower.
- Coordinated migration of 1,000+ Amazon S3 buckets using AI-assisted Python automation with zero reported data loss.
- Resolved 40+ AWS compliance findings through Vanta remediation.
- Conducted security assessments for 15+ vendors.

Core Skills

- **Cloud Security:** AWS IAM, AWS IAM Identity Centre, AWS Organisations, Systems Manager, AWS WAF, AWS Shield, AWS Inspector, AWS EventBridge, AWS Control Tower, AWS VPC, Transit Gateway, AWS EC2, AWS S3, AWS RDS, AWS CloudWatch, CloudTrail, AWS SNS, AWS Route53, Cloud Infrastructure Migration.
- **Programming:** Python (AI Assisted Scripting), JavaScript, React.js, HTML, CSS, Bootstrap, Tailwind CSS, Git, GitHub.
- **Compliance & Governance:** SOC 2 Type II, ISO 27001, ISO 27701, Vanta (Compliance Automation, Risk Register, Vendor Risk Scoring), GRC, NIST, CERT-IN Advisories.
- **Vendor & Risk Management:** Vendor Security Risk Assessment, Security Questionnaires, Third-Party Risk Review, SOC 2/ISO/PCI DSS Documentation Review.
- **Monitoring & Incident Response:** CloudWatch Monitoring, Root Cause Analysis (RCA), Anomaly Investigation, Incident Investigation.

- **Microsoft Technologies:** Microsoft Intune (Working Knowledge), Microsoft Entra ID (Working Knowledge), Microsoft Defender for Endpoint (Basic).

Experience

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Cloud Security Engineer (AWS)

May 2025 – Present

- Supported the migration of production AWS workloads into a newly established multi-account AWS environment governed by AWS Organizations and AWS Control Tower.
- Provisioned and configured Amazon VPCs, route tables, security groups, Internet Gateways, NAT Gateways, VPC endpoints, and supporting networking resources based on approved cloud architecture and security requirements.
- Managed permission sets and user/group assignments in AWS IAM Identity Center.
- Built CloudWatch dashboards and alarms using CloudWatch, SNS and EventBridge; investigated infrastructure anomalies and produced RCA reports.
- Configured and managed GuardDuty, Security Hub, Inspector, CloudTrail and AWS Config to improve visibility, vulnerability management and compliance.
- Performed end-to-end vendor security risk assessments for 15+ vendors by evaluating SOC 2, ISO 27001/27701, PCI DSS, and DPA documentation, with evidence management in Vanta.
- Managed Vanta as the organization's compliance automation platform, continuously monitoring SOC 2 Type II controls, validating security posture, and supporting audit readiness.
- Remediated 40+ SOC 2 Type II compliance findings by implementing AWS security control improvements identified through continuous monitoring.
- Supported Microsoft Intune implementation by configuring device compliance policies, endpoint management settings, and foundational MDM security controls.

Simple2Call

Information Security Engineer (Promoted from Software Engineer)

March 2022 – May 2025

- Promoted from Software Engineer to Information Security Engineer based on strong technical aptitude and contributions to cybersecurity, compliance, and IT security initiatives.
- Developed and maintained internal web applications using React.js, JavaScript, HTML, CSS, Bootstrap, Tailwind CSS, Git, and GitHub to automate business processes and improve operational efficiency.
- Led ISO 27001 and ISO 27701 implementation, contributing to successful organizational audit readiness through security controls, policy development, risk assessments, and internal audit support.
- Conducted 10+ security risk assessments, reducing compliance gaps by 15% through remediation of identified control deficiencies.
- Implemented Windows endpoint security controls aligned with ISO 27001 and ISO 27701, including BitLocker encryption, Intune security baselines, USB device restrictions, password policies, and centralized endpoint management.
- Strengthened SharePoint security by implementing RBAC and MFA for privileged users, reducing unauthorized access attempts by 20%.
- Improved vulnerability management through structured patch management, CERT-IN advisory tracking, and timely remediation of security issues.
- Integrated threat intelligence into security operations, improving incident response efficiency by 30%.

Certifications

- AWS Certified: Cloud Practitioner [July-2025]
- Google Cybersecurity Certification [Jan-2025]
- Microsoft Certified: Azure Fundamentals (AZ-900) [Aug-2024]
- AWS Certified Security - Speciality — *In Progress*

Education

Diploma in Computer Science

Parul University, Vadodara - 2015 - 2017