

Aryan Singh

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Summary

Solid 3 years of experience in **Information Security, Governance, Risk, and Compliance (GRC)**, and **Cloud Security**. Proven track record in **risk assessment, SIEM operations, application security reviews, and identity/access management**. Hands-on with tools like **Splunk, Azure Sentinel, Zscaler**, and cloud platforms including **Microsoft Azure** and **AWS**.

Experience

Information Security Manager

Aug 2022 – Present

Tata Consultancy Services (TCS), Pune, India

- Reviewed a **Generative AI solution** using **Azure OpenAI**, validating secure integration with **Key Vault, RBAC**, and **network rules**, while ensuring compliance with cloud security policies.
- Led **Generative AI security reviews**, ensuring AI model integrity, data privacy, and risk mitigation.
- Reviewed and validated **10+ CSPM reports** across **Azure** and **AWS**, identifying misconfigurations and strengthening compliance with cloud security baselines.
- Conducted **application architecture reviews** and evaluated **30+ PoCs**, reducing vulnerabilities and ensuring security alignment.
- Led **phishing simulations** and **security awareness training**, reducing successful attacks by **20%**.
- Optimized **security protocols**, resulting in a **40% reduction in data breaches**.
- Performed **20+ application security reviews**, ensuring adherence to **SAST, DAST, VA/PT**, and **Zscaler** best practices.
- Executed an **ISO 27001 audit** for a core application with zero findings and no major non-conformities.
- Assessed and validated **UAM documents** across 18 verticals, integrated missing assets into the in-house **IAM tool (RIGHTS)**, ensuring centralized **entitlement management**.
- Validated **7+ third-party vendor risk checklists**, ensuring compliance with security policies and contractual obligations.
- Analyzed and approved **40+ product risk registers**, ensuring enterprise-wide visibility and compliance.
- Increased **server compliance from 77% to 88%** across **hardening, patching, OS baseline**, and **vulnerability management**.
- Audited and validated over **8,000 change requests (CRs)** across multiple accounts, ensuring compliance with organizational policies and risk controls.
- Managed and mentored a team of **2 security analysts**, driving timely completion of audits, risk assessments, and compliance activities.

Skills

Network Security: Firewalls, IDS/IPS, Endpoint Protection (Symantec, McAfee), VPN

Security Operations & Monitoring: SIEM (Splunk, Azure Sentinel), Log Analysis, Threat Detection, Incident Response

Cloud Security & Platforms: Microsoft Azure, AWS, Cloud Security Fundamentals

Governance, Risk & Compliance (GRC): Risk Assessment, IT Audit, ISO 27001, NIST, Third-Party/Vendor Risk Management, Internal Audit, GRC Tools (ServiceNow)

Identity & Access Management: IAM, Access Control Policies, Role-Based Access Management

AI & Data Security: GenAI Security, AI Model Security, Data Privacy, Threat Assessment

Certifications

- **Microsoft** – Azure Security Engineer Associate
- **Amazon Web Services (AWS)** – Certified Solutions Architect – Associate
- **Amazon Web Services (AWS)** – Certified Cloud Practitioner
- **ISO** – 27001 Lead Auditor

Education

Bachelor of Technology, Bharati Vidyapeeth College Of Engineering, Pune

Jun 2018 – Jun 2022

GPA: 9.03 / 10