ABHIJIT RATH

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Areas of Expertise

- Cloud Security, Application Security, DevSecOps, CSPM, SDLC, Azure Cloud Security, AWS Cloud Security, Google Cloud Security, GRC, Kubernetes/Container Security, API Security, IT Security, Data Security, Disaster Recovery, Threat Modeling and Design, Vulnerability Assessment, Penetration Testing, Application Testing (SAST/DAST/IAST), Cloud Security Internal/External Audits, Security Assessment

Career Snapshot

- 17 Years in Application Security/Cyber Security/Cloud Security including Security Compliance Frameworks, Policies and Regulations, Cloud Security designing & Implementation, Security Assessment (SaaS/PaaS/IaaS) with remediation plan and accomplishment, DevSecOps and Agile practices.
- Drive and maintain security throughout the entire Software Development Life Cycle.
- Experience in penetration testing of web applications.
- Detailed experience of security scanning tools (SAST/DAST/IAST) technologies and best practices
- Possess comprehensive experience of OWASP 10, SAN Top 25 & Mitre Top 25 testing methodologies.
- Experience in threat modeling, risk modeling and profiling.
- Cloud Security (Application, Data protection. Network Security, key management system & login, monitoring). AWS/Azure/GCP Security Design & Implementation.
- Cloud Security Internal/External Audit, Cloud Security Capability strategy and development, Cyber/Cloud security delivery and offering model and strategy to accomplish the organization goals in Cyber & Digital Security space, DevSecops, Security in Shift Left, Zero Trust Model & Defense in Depth (DID) Model.

Technical Certifications:

- AWS Certified Cloud Solution Architect – Associate
- Microsoft Certified: Security Operations Analyst Associate (SC-200)
- Microsoft Certified: Identity and Access Administrator Associate (SC-300)
- Microsoft Certified: Information Protection Administrator Associate (SC-400)
- Microsoft Certified Azure Network Engineer (AZ-700)
- Microsoft Certified Azure Security Engineer Associate (AZ-500)
- Microsoft Certified Azure Solutions Architect Expert (AZ-300 & AZ -301)
- Microsoft Certified Azure Virtual Desktop Specialty (AZ-140)
- ITIL Foundation Version 3.0

Security Tools:

- Cloud Platforms - MS Azure, AWS, GCP, IBM
- Metasploit/Kali Linux for Automated Pen Test
- Azure/AWS/GCP Cloud Security
- IAM, RBAC, PIM & ADFS

- CI/CD Pipeline Scanning Tools (SonarQube, Gosec, Checkmark, HP45, Owasp Zap Proxy, AppScan, Burp Suite, Twistlock, Contrast)
- On-Prem ADDS, Azure AD, Azure ADDS
- Modern authentication Security (OAuth, OpenID, Okta etc.)
- Azure Firewall/WAF
- AWS Cloud Watch and Cloud Trail
- Amazon Inspector
- Amazon GuardDuty
- Windows PowerShell Scripting/Cloud Shell
- Virtualization – Citrix/VMWare
- Microservices/K8s/CAAS Security
- Red Hat Openshift on IBM Cloud (ROKS)
- CPSM Tools - Defender for Cloud, AWS Security Hub, GCC, IBM Cloud
- QRadar/Azure Sentinel
- Azure Monitor, Backup, Recovery Services Vaults
- Azure Migrate, Azure Site Recovery
- DDOS Protection & Azure Information Protection (AIP)
- Disk Encryption, Windows Defender
- Infrastructure as a Code (Terraform, AWS CloudFormation, Ansible Automation)
- Microsoft Endpoint Manager
- EDR – Crowdstrike/MS Defender
- IBM/AWS Secret Manager & Azure Key Vault

CAREER CHRONICLE

IBM India Pvt. Ltd. Kochi, India

Security Architect – ISL (IBM Software Lab) MAY, 2022 to TILL DATE

JOB PROFILE

- *Acts as the primary security contact for their tribe or business segment and escalation point for Service Security Focal and Service Compliance Focal. Drives security and compliance on all of the services within their tribe or business segment and serves as the central escalation point for any due security and compliance milestones, deliverables or other required activities.*
- *Drive and maintain security throughout the entire Software Development Life Cycle*
- *Incorporate Security and Privacy by Design in a bottom-up fashion in to various parts and components of the product.*
- *Application Security Testing including Static and Dynamic, Interactive Code scans (SAST/DAST/IAST), Vulnerability Assessment and Penetration Testing (VAPT)*
- *Onboarded offering product to Akamai Web Application Firewall to protect against common attacks such as DDoS, cross-site scripting (XSS) and SQL injection.*
- *Ensures that service and product offerings are properly onboarded into appropriate compliance programs (e.g. ISO ISMS, HIPAA, SOC2, etc.), to obtain related compliance certifications.*
- *Blueline Assessment – embedding security and privacy into IBM product and offering designs and ensuring that they are secure prior to release to customers and throughout secure life cycle.*
- *MSAC (Management Self Access Control) - measure compliance with Corporate Policies and Directives, including IBM IT Security Standards.*
- *Participate in product risk assessments and threat modelling.*
- *Protecting EC2 instances using AWS Cloud Security by Design Principles.*
- *Onboarded offering product to IBM SOS – Cloud Security Posture Management & QRadar - SIEM*
- *Coordinates and consolidates all security and compliance related communication (e.g. security updates, compliance milestones, presentations, worksheets, etc.) with offering representatives for their Cloud business unit GMs.*
- *Leads burndown of Security Operations metrics (i.e. vulnerabilities, patching, configuration, logging, etc.) for the service and product offerings within their tribe or business segment and participates in Monthly BU Security Scorecard reconciliation and interlock meetings with IBM Public Cloud Security.*

- *Ensures that the service and product offerings in their tribe or business segment are aligned with the IBM Public Cloud Platform Security Policy.*
- *Communicates the NIST 800-53 model to their IBM Cloud business unit and ensures that all their services comply with the NIST 800-53 controls.*
- *Support product team through internal and external audits.*
- *Ensure product compliance with corporate policy, evolving industry standards, and relevant regulatory controls.*

WIPRO LTD, Hyderabad, India

Sr. Architect – Cloud Security JUNE, 2019 to MAY,2022

JOB PROFILE

- *As a Cloud Security Architect responsible for deploying & overseeing a company's cloud computing strategy. This includes but not limited to cloud adoption plans, Cloud Security Consulting, Design, Architect, Capability Development, Cloud Resiliency control and compliance and Azure, AWS, GCP Security Control assessment design and redesign, Architecting and recommendations. Cloud host, Network, configure container security and Configuration, resource management, Security operations, configure policy, manage security alerts, configure security policy to manage data, data and rest and motion management, application security, Key Vault and Identity and access management.*
- *CSPM – Cloud Security Posture Management & SIEM*
- *Application Security Testing including Static and Dynamic, Interactive Code scans (SAST/DAST/IAST), Vulnerability Assessment and Penetration Testing (VAPT)*
- *Experienced with Security assessment and documentation of a comprehensive and broad set of security technologies and processes (secure software development (Application Security), data protection, cryptography, key management, identity and access management (IAM), network security) within SaaS, IaaS, PaaS, and other cloud environments.*
- *Conduct security architecture reviews of planned cloud migration initiatives across the organization and produce high quality Threat models for cloud environments clearly articulating risks*
- *Working knowledge of common and industry standard cloud-native/cloud-friendly authentication mechanisms (OAuth, OpenID, etc).*
- *Install and maintain Azure Sentinel SIEM and other security tools in cloud environments*
- *In-depth knowledge of tools and technologies being used in the cloud environment to provide security controls and assessments of the applications.*
- *Designing and implementation of Azure/AWS Security, hub and spoke topology, Firewall, vNet peering for Azure/AWS/GCP.*
- *HLD and LLD for: Azure Governance build, Cloud Migration Strategies, Cloud enhancements, Cloud Security Tools integration with Cloud resources and services, Presales, exposure to design and sizing*
- *Reviewing all technical documents (architecture/design) received from internally or from customer and provided inputs accordingly to the team.*

HCL TECHNOLOGIES LTD, Delhi NCR, India

SR. CONSULTANT – Cloud Security MAR, 2015 to JUNE, 2019

JOB PROFILE

- *Implementing and Overseeing organisations /Client's Cybersecurity/Cloud Security program on Azure/AWS/GCP*
- *CSPM – Cloud Security Posture Management & SIEM*
- *Experience in defining and implementing Hybrid scenarios with workloads shared across on premise and Microsoft Azure, application Integration between cloud and on-premise environments.*
- *Work closely with architects to identify and mitigate risks, perform Security reviews, design top tier security practices, and deliver strategic, innovative cloud based offerings.*

- *Application Security Testing including Static and Dynamic, Interactive Code scans (SAST/DAST/IAST), Vulnerability Assessment and Penetration Testing (VAPT)*
- *Familiarity with compliance & security standards across the enterprise IT landscape Deep understanding of enterprise risk management methods and techniques to drive successful outcomes in a multi-national environment.*
- *Designing, implementing, and managing core Azure networking infrastructure, Hybrid Networking connections, load balancing traffic, network routing, private access to Azure services, network security and monitoring.*
- *Engineered, designed, and implemented information security controls to ensure the confidentiality, integrity, and availability of corporate data.*
- *Managed Information Security Risks through coordinating internal Security Risk Assessments and the creation of the Corporate Information Security risk acceptance process.*
- *Educate and communicate cloud security requirements, policies, standards and procedures to business/internal stakeholders as it relates to projects and strategic initiatives*
- *Manage system information security architecture, design, installation, operational planning, and risk remediation activities on a global basis.*
- *Documentation skills: HLD, LLD, SOP's, Runbooks, technical and functional documents as part of Security Transition and Transformation phase.*

IBM INDIA PRIVATE LTD, Delhi NCR, India

Subject Matter Expert– Security MAR, 2012 to MAR, 2015

HCL TECHNOLOGIES LTD, Delhi NCR, India

CONSULTANT (Technical Lead) - Security JULY, 2008 to FEB, 2012

VERTEX India Pvt. Ltd, Gurgaon, India

SR. ANALYST - Virtualization APR, 2007 to JULY, 2008

BHARTI COMTEL LTD, Gurgaon, India

SR. OFFICER (SYS. ADMIN & TEAM LEADER) MAR, 2006 to MAR 2007