

Cloud Security Engineer

Tech Consulting • 3-5 Years • FullTime • Mumbai

Job Summary:

The Cloud Subject Matter Expert (SME) will be responsible for providing expertise and guidance on cloud computing technologies, ensuring the effective implementation and management of cloud infrastructure, and driving innovation through cloud solutions. Cloud SME will work closely with IT teams, stakeholders, and external vendors to design, deploy, and maintain scalable, secure, and efficient cloud environments.

Key Responsibilities:

· Cloud Architecture & Design:

- o Develop and design hybrid cloud reference architecture and define target state AWS and Azure architecture.
- o Design and implement cloud architecture solutions to meet organizational needs, ensuring scalability, security, and cost-effectiveness.
- o Collaborate with enterprise architects and IT teams to integrate cloud solutions with existing infrastructure.
- o Experience with private and public cloud architectures, microservices architecture, and hybrid cloud integration.

· Monitoring:

- o Lead cloud projects, including planning, execution, and monitoring support with Knowledge of DevOps and Monitoring tools like Site24x7, DataDog, FreshService, etc.
- o Develop and execute strategies based on detailed analysis, using workload automation tools and monitoring tools.
- o Serve as the primary point of contact for all matters related to cloud computing, offering expert guidance and support to internal teams and clients.
- o Collaborate with cross-functional teams to troubleshoot and resolve complex cloud-related issues.
- o Conduct assessments of existing cloud infrastructure, identify areas for improvement, and implement optimization strategies to enhance performance, reliability, and efficiency.
- o Stay abreast of the latest cloud technologies, trends, and best practices, and provide recommendations for their adoption as appropriate.

· Cloud Management & Optimization:

- o Monitor and manage cloud infrastructure to ensure optimal performance and availability.
- o Implement best practices for cloud management, including cost management, security policies, and resource optimization.
- o Conduct regular assessments and audits of cloud environments.
- o Provide guidance and recommendations on optimizing cloud resources for cost efficiency and performance.

· Technical Support & Troubleshooting:

- o Provide advanced technical support and troubleshooting for cloud-related issues.

- o Act as a point of escalation for complex cloud problems.

- **Security & Compliance:**

- o Implement and maintain robust security measures to protect cloud data and applications.
- o Implement and manage security controls such as access controls, encryption, vulnerability management, and incident response
- o Ensure cloud solutions comply with security standards, regulatory requirements such as such as ISO 27001, PCI DSS, and HIPAA
- o Conduct regular security assessments of AWS and Azure environments to identify vulnerabilities and risks
- o Integrate and manage third-party security solutions like Palo Alto VM and CN series firewall, Prisma, and F5 security with AWS and Azure environments.
- o Conduct security awareness training and education programs for employees.

- **Innovation & Continuous Improvement:**

- o Stay updated with the latest trends and developments in cloud computing.
- o Recommend and implement innovative cloud solutions to enhance business operations.
- o Drive continuous improvement initiatives to optimize cloud performance and efficiency.

- **Mentorship:**

- o Provide mentorship to team and stakeholders on cloud technologies and best practices.
- o Develop documentation and relevant materials to support cloud initiatives.

- **Collaboration & Communication:**

- o Work closely with cross-functional teams to deliver comprehensive cloud solutions.
- o Communicate effectively with stakeholders to understand business requirements and translate them into cloud solutions.
- o Manage client interactions, requirement gathering discussions, and influence client evaluation criteria and decision-making.
- o Participate in pre-sales activities, including solution design, proposal development, and client presentations.
- o Willing and adaptable to work in various shifts as required.
- o Participate in on-call rotation and provide off-hours support as needed.

- **Technical Skills:**

- o In-depth knowledge of cloud architecture, services, security and deployment models.
- o Experience with cloud platforms like AWS, Azure, Google Cloud Platform (GCP).
- o Proficiency with Cloud and DevOps monitoring tools like, New Relic, Site24x7, Datadog, etc
- o Good understanding of ITIL frameworks and ITSM tools like ServiceNow and FreshService.
- o Proficiency with third-party security solutions like Palo Alto VM and CN series firewall, Prisma, and F5 security is must.
- o Proficiency with infrastructure as code (IaC) tools such as Terraform, CloudFormation, or ARM templates.
- o Strong understanding of security frameworks and standards such as ISO 27001, PCI DSS, and HIPAA.

- o Strong understanding of networking, virtualization, and storage in cloud environments.
- o Familiarity with DevOps and Agile methodologies, processes, and tools such as CI/CD pipelines, Jenkins, Docker, and Kubernetes.
- o Experience in Linux administration and Bash/Powershell scripting.
- o Good understanding of Coding languages like C, Python, Java or Javascript.
- o Experience creating, deploying, and operating large-scale applications on AWS/Azure/GCP.
- o Hands-on experience in setting up and using DevOps-related tools and processes.

· **Certifications:**

- o Relevant cloud certifications such as AWS Certified Solutions Architect – Professional, Microsoft Certified: Azure Solutions Architect Expert, Google Cloud Certified, or similar.
- o Experience with DevOps Tools & Technologies (Git, Docker, Kubernetes, CI/CD Tools, Terraform)
- o Experience with ITSM and Monitoring Tools (FreshService, ServiceNow, Site24x7, Datadog)
- o Experience with scripting languages (e.g., Python, Bash) is a plus.
- o Terraform Certified (Good to have).

· **Soft Skills:**

- o Excellent problem-solving and analytical skills.
- o Strong communication, presentation, and writing skills.
- o Ability to work independently and as part of a team.
- o Strong project management and organizational skills.
- o Ability to work with geographically dispersed teams and possess cross-cultural competence.
- o Proactiveness and a passion for learning new technologies.
- o A strong stage presence and ability to manage client interactions and discussions.
- o A strong motivator with prominent levels of energy.

· **Work Environment:**

- o The role typically involves working in various shifts to support customers in a 24/7 roster-based model within an office environment.