Job Title	Senior Cloud Engineer		
Company	Cradle Fund Sdn Bhd	Date	07 December 2023
Department	Information Technology	Unit	Information Technology
Reports to	Mohd Syamil		

Summary of Role

The primary responsibilities of the role is to manage and oversee of Cradle's cloud infrastructure which includes but not limited to cradle's system (GMS, Data Warehouse) MYStartup portal, MYStartup Data Warehouse, Asean Start up Portal.

Job Description & Responsibilities

Design and Implementation
1. **Cloud Infrastructure Design**:
• Design and architect cloud solutions based on business requirements and best practices.
• Develop scalable and resilient cloud architectures using appropriate cloud services.
2. **Deployment and Configuration:**
• Implement and deploy cloud resources and services across multiple environments (development, testing, production).
• Configure and optimize cloud services for performance, security, and cost efficiency.
3. **Automation and Orchestration:**
• Create automation scripts and templates to streamline provisioning, deployment, and management of cloud resources.
• Orchestrate workflows and processes to achieve seamless integration between different components of the cloud environment.

Maintenance and Management:
1. **Infrastructure Management:**
• Maintain and manage cloud infrastructure, ensuring high availability, scalability, and reliability.
• Perform regular updates, patches, and upgrades to keep the cloud environment secure and up-to-date.
2. **Monitoring and Optimization:**
• Monitor cloud services, performance metrics, and resource utilization to identify and address issues proactively.
• Optimize cloud infrastructure for cost-effectiveness by right-sizing resources and implementing best practices.
3. **Security and Compliance:**
• Implement and enforce security measures, access controls, and compliance standards within the cloud environment.
• Conduct regular security audits and assessments to mitigate risks and ensure adherence to industry standards.

Troubleshooting and Support:
1. **Issue Resolution:**
• Troubleshoot and resolve technical issues related to cloud services, networking, and infrastructure.
• Provide timely support and solutions for incidents affecting the availability or performance of cloud resources.
2. **Documentation and Knowledge Sharing:**
• Maintain comprehensive documentation of configurations, procedures, and troubleshooting steps.
• Share knowledge and best practices with team members and stakeholders to enhance the collective understanding of cloud technologies.

Qualifications & Experience	• Bachelor's Degree or Diploma Information Technologies/Computer Science or equivalent. • At least five (5) years of experience as Cloud Engineer/Solution Architect.
Skills & Competencies	**Core Competencies** • **Problem-solving**: Ability to identify and resolve complex technical issues efficiently. • **Adaptability**: Willingness to learn and quickly adapt to new technologies and environment. • **Teamwork**: Collaborative mindset to work effectively within cross-functional teams. • **Communication**: Strong verbal and written communication skills for effective interaction with stakeholders

Technical Competencies

1. **Cloud Platforms**: Proficiency in at least one major cloud platform (AWS, Azure, Google Cloud Platform) and understanding of their services (compute, storage, databases, networking, etc).
   - In-depth understanding and hands-on experience with various Azure services, including but not limited to compute, storage, networking, databases, identity, and security services.
   - Proficiency in deploying, configuring, and managing Azure infrastructure.
   - Knowledge of Azure Stack HCI (Hyper-Converged Infrastructure) and Azure Stackb Hub deployment models.

2. **Infrastructure as Code (IaC)**: Knowledge of tools like Terraform, CloudFormation, or Ansible to automate infrastructure deployment and management. Familiarity with tools like Azure Resource Manager (ARM) templates or Azure Bicep for defining and deploying Azure resources declaratively.

3. **Networking:** Understanding of networking concepts in cloud environments, including VPNs, VPCs, load balancing, and routing.

4. **Security:** Familiarity with cloud security best practices, identity and access management (IAM), encryption, and compliance standards

5. **Scripting and Automation:** Proficiency in scripting languages like Python, Bash, or PowerShell to automate tasks and processes.

6. **Containers and Orchestration:** Knowledge of containerization technologies such as Docker and container orchestration tools like Kubernetes.

7. **Monitoring and Logging:** Experience with monitoring tools (e.g., CloudWatch, Azure Monitor) and logging solutions (e.g., ELK stack) for performance analysis and troubleshooting.

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joinus@cradle.com.my