Senior Public Cloud Infrastructure Engineer for AWS

Job Description

The Mississippi Department of Information Technology Services (ITS) is seeking a qualified person to fill the role of a Senior Public Cloud Infrastructure Engineer for Amazon Web Services (AWS) to support our enterprise hosted cloud environment built on commercial public cloud infrastructure. Desirable candidates will design, build, secure, and maintain scalable, highly available cloud environments (AWS, Azure, GCP), focusing heavily on Infrastructure as Code (IaC) (Terraform, CloudFormation), automation (CI/CD, scripting), security (IAM, compliance), and cost optimization, while mentoring staff and collaborating with development teams for operational excellence.

Key Responsibilities

Key duties involve architecting solutions, managing complex deployments, ensuring reliability, and troubleshooting issues in production. This role is involved in the configuration, troubleshooting, and ongoing maintenance of all tools needed to support enterprise public cloud services. In all capacities, the person filling this role works directly with operations staff, system specialists, agency technical staff, public cloud staff, and external contractors to ensure consistent delivery of related cloud services.

- Architecting secure, fault-tolerant, and scalable cloud infrastructure, including VPCs, networking, and storage.
- Infrastructure as Code (IaC): Developing and managing templates using tools like Terraform, CloudFormation, or Ansible for automated provisioning.
- Automation & CI/CD: Building and maintaining CI/CD pipelines (Jenkins, GitHub Actions) to streamline deployments and operations.
- Security & Compliance: Implementing security controls (IAM, KMS, encryption, RBAC) and ensuring adherence to standards (SOC2, GDPR).
- Monitoring & Optimization: Utilizing tools (Datadog, Prometheus) for performance monitoring, alerting, capacity planning, and cost reduction.
- Collaboration: Partnering with development and security teams to integrate cloud best practices into the Software Development Life Cycle (SDLC).
- Mentorship: Providing technical guidance and documentation to junior engineers and other teams.
- Troubleshooting: Diagnosing and resolving complex production issues, often requiring on-call support.
- Stay up to date with the latest trends and developments in cloud computing

Qualifications

- Typically requires a Bachelor's Degree and 10+ years of IT experience with strong emphasis in infrastructure engineering.

Preferred Skills:

- Preference will be given to candidates with experience in AWS Cloud architecture. Highest preference will be given to those candidates with both related experience and certification(s) in AWS Cloud technologies
- Cloud Platforms: Deep expertise in AWS.
- IaC: Terraform, CloudFormation, GitHub.
- Scripting: Python, PowerShell, Bash.
- CI/CD: Jenkins, GitLab CI, GitHub Actions.
- Networking: Strong understanding of TCP/IP, DNS, VPNs, and firewalls.
- Security: IAM, secrets management, compliance frameworks.
- Strong problem-solving skills and ability to work independently
- Experience of being a member of a highly technical and highly visible IT team
- Excellent customer service skills
- Excellent communication and collaboration skills
- Strong desire to learn and stay current with the latest technologies and trends in the field

Benefits:

- Insurance: Health, Life, Dental, Vision, other supplementals.
- Paid Time Off/Holidays
- Retirement Plan
- Employee Assistance Program
- Remote Work Policy for eligible employees

Job Type: Full-Time (8 AM to 5 PM, Monday-Friday)

Salary: $82,513.85 – $112,631.41

Interested applicants should email their resume and/or a State of Mississippi Application to recruiting@its.ms.gov **and include the position title in the email's Subject Line**