Position: Cloud Architect

Experience Required: 15+ Years

Duties & Responsibilities:

- Conduct POC and prototyping of Cloud solutions
- Define Integration Design and Security Design for the Web Services and Enterprise component development.
- Work on networking and security topics as an AWS cloud administrator.
- Work with storage management like AWS-Storage
- Work extensively on AWS-EKS
- Create and manage docker images
- Cloud cost analysis, estimations, and best practices.
- Manage k8s system services and worker nodes
- Work with DB Administration and DBMS
- Create documentation and design documents
- Provide estimates for the requirements
- Engage with the senior architecture group, collaborate with the company's internal technology teams, and contribute to various internal initiatives.

Skill & Experience required:

- Have a minimum of 15 years of relevant experience with hands-on code and are ready to program by themselves
- Must have AWS Cloud certifications (**AWS Certified Solutions Architect** – Professional)
- Experience in **AWS** Cloud platforms for a wide range of services
- Java background.
- Experience in implementing AWS **Cloud Security**
- Experience in using **Postgres** databases preferably
- Load Balancing, Auto-Scaling, and Route 53 to manage traffic
- Network and security topics like Network Access Control List, VPC peering, AWS cloud watch, AWS cloud trail
- Design Highly Available and/or Fault-Tolerant Architectures
- Having experience with open-source technology or tools.
- Experience in designing, developing, and deploying high-scale solutions in Kubernetes.
- Understanding of optimized coding considering memory consumption, performance, scalability, security, parallel processing, caching, lock mechanism, etc.
- Having experience with Docker, HELM, and Kubernetes is a must.
- Experience working with a scripting language like YAML.
- Stateless/stateful applications deployed on Kubernetes in production env.
- Working experience with AWS and Kubernetes API.
- Experience with Reporting and analysis tools for the cloud platform

Good to have:

- Good to have EKS cluster creation, support, and management
- Good knowledge of API server application development
- Good to have experience with multi-cloud environments like Azure, GCP, Alibaba and AWS
- Good to have experience with Networking in the AWS cloud
- Good understanding of Cloud Computing, Platform As A Service, Infrastructure As A Service
- Good understanding of DevOps (CI and CD) with k8s services
- Good to have UNIX administration experience

Specific Requirements

- Good development skills for Kubernetes SaaS applications.
- Kubernetes deployment, networking, and persistent storage.
- Kubernetes Role-based access control (RBAC), UNIX RBAC, OpenID Connectors, RSA SSL public/private keys, JSON Web Tokens, Symmetric/Asymmetric keys, certificate management.
- Node, Pod, and Container run-time hardening.
- Cloud design patterns to protect against timeouts, unbounded network delays, transient faults in the cloud, cascading failures, SaaS service overload, etc.
- Load Balancing, DNS, and data caching techniques.
- Instrumentation of distributed applications for monitoring and troubleshooting.

Professional Skill Requirements

- Familiar with Agile delivery methodology (Backlogs and sprints)
- Proven success in contributing to a team-oriented environment
- Proven ability to work creatively and analytically in a problem-solving environment
- Excellent communication (written and oral) and interpersonal skills