



## **Job Description Chief Technology Officer**

Sharda Group is looking for a highly skilled and experienced Chief Technology Officer (CTO), with expertise in IT, Networking, Digital strategy and solutions, innovations in Business transformation, ERP/CRM implementation, Industry 4.0, Program management, Analytics, to set strategy and make executive technology decisions including managing a technology budget and making the necessary investments to align the organization with its vision for its technological needs. If you are a technology visionary with expertise in technological development who executes that vision, we want to hear from you!

Working directly with the CEO, you will act both as a technology and business expert, making recommendations and present business advantages for technology initiatives and improvements for current and future operations. As the CTO, you will oversee all technology and technological resources, establish the technology vision, strategies, and growth plans. You will also lead system and quality assurance processes to ensure the protection of Utilities' assets while maintaining and evolving technology needs.

For this role, we are seeking expertise supporting a growth strategy by expanding existing customer relationships, anticipating current and future needs, developing new business opportunities, and cultivating partner relationships. Additionally, the CTO holds the fiduciary responsibility for developing, administering, monitoring, and coordinating the enterprise technology budget as decisions related to technology needs influence spending patterns for departments and programs across the organization.

### **Responsibilities**

- Providing technical leadership at the enterprise level and serve an integral role in operations and business development.
- Understands the trade-offs between features, risks, and costs.
- Determines infrastructure, application, data and business solution costing and options for price reduction according to the organization and client's financial constraints.
- Assists the development and evolution of future state of IT offerings/capabilities to meet changing market demands, and the skills and temperament to consistently infuse innovative tools and approaches into offerings.

- Facilitates the standardization and reuse of managed service (Cloud) offerings via process re-engineering and standardization of best practices.
- Calculates total cost of ownership of technology components and complete platforms. Understands interrelationships and impacts of systems and applications upon the enterprise wide technical environment.
- Ensures solutions are of high quality, are high performance and are scalable. Maintains current knowledge of the technology industry and Federal IT marketplace and determines the impact of emerging policy, infrastructure and/or applications software on new and existing solutions.
- Maintains an expert working knowledge of networking/internetworking and IT security accountable for developing and managing key internal/external relationships across sphere of influence, including collaborations where no organizational relationship existed previously. Architecture, design, development, testing, integration and implementation expertise in Identity Access and Role Management solutions.

### **Required Core Competencies**

Systems Architecture  
 Systems Design  
 Strategic Planning  
 Budget & Cost Control  
 Change Management  
 Datacenter Design & Management  
 Unified Communications  
 Technical Training  
 Process Improvement  
 Reporting  
 Virtualization & Automation  
 Relationship Management  
 Risk Management  
 Information Security  
 Contract Negotiations  
 Capacity Planning  
 Vendor Relations  
 ITIL Service Management  
 SDLC Management  
 Incident Management  
 Program/Project Management

### **Technical Skills**

**Cloud Environment:** Amazon Web Services (AWS), Google Cloud Platform (GCP), Azure

**Infrastructure as code:** Terraform, Cloud Formation.

**AWS Services:** VPC, IAM, S3, Elastic Beanstalk, Cloud Front, Redshift, Lambda, Kinesis, - Dynamo DB, Direct Connect, Storage Gateway, DMS, SMS, SNS, and SWF.

**Operating Systems:** Linux (Red Hat, CENTOS & SUSE), Ubuntu, Solaris, DEBAIN, HP-UX, Windows.

**Scripting:** Shell Scripting, Groovy, Python, Ruby, Perl and Power Shell, Yaml.

**Version Control Tools:** GIT, GITHUB, GitLab, Subversion (SVN), and Bitbucket.

**Build Tools:** Maven, Gradle, Sonar, Nexus, and Ant.

**Containerization Tools:** AWS ECS, Docker, Kubernetes, Mesos.

**Application Servers:** WebSphere Application Server, Apache Tomcat, JBoss, WebLogic, Nginx.

**Automation & Configuration Tools:** Chef, Puppet, Ansible, Jenkins.

**Orchestration Tools:** Kubernetes, Docker swarm, and Apache Mesos, Marathon and Google Cloud Engine.

**Networking Protocols:** TCP/IP, DNS, DHCP, Cisco Routers/Switches, WAN, LAN, FTP/TFTP, SMTP.

**Monitoring Tools:** Nagios, AWS Cloud Watch, Splunk, and ELK

## Education

MCA, M.Tech, M.Sc in Computer Science

## Compensation

As per Industry standards

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