

## Storage & Unix Architect-10001079

### Department Overview:

The Computing Platform technology domain is part of the Domain Architecture function within PG&E's IT Strategic Planning and Architecture organization. The mission of the Computing Platform Architecture group is to thoroughly understand current Computing Platform trends and chart a strategic path for PG&E business alignment to those trends. Through comprehensive planning, Computing Platform Architects leverage enterprise economies of scale via the establishment of flexible, sound computing solutions and standards. The solutions and standards established are aligned to the diversity of the PG&E Utility business needs. Computing Platform Architects interface with both technology-focused and business-focused stakeholders in the PG&E Enterprise and have a unique opportunity to establish aligned strategies to enable the greater PG&E Utility business. Computing Platform Architects are technology experts working to establish themselves as organizational thought leaders with the drive to make a mark on the IT and Utility industry as a whole.

### Position Summary:

The Storage and Server Architect will serve as the primary thought leader for driving the strategy of maturing the PG&E's online and offline Data Storage environment as well as the UNIX/Linux server environment. Both of these technologies will evolve significantly as the Utility Smartgrid activities mature over the next 5-10 years. The role will be focused largely on the technologies that are required to operate a large scale, world class, leading Utility compute environment. The role will report directly to the Lead Principal Architect for Computing Platforms within PG&E's IT Strategic Planning and Architecture organization. This position will report out of our downtown San Francisco headquarters.

The Storage and Server Architecture scope of technologies include: Storage: Storage Virtualization, High End and Mid Range storage devices, Networked Attached Storage, Distributed Files Servers, Archival Platforms, Physical Tape Libraries, Virtual Tape Libraries, Site to Site Replication, In Array Replication, Thin Provisioning, Backup Software, Data Management software, Archival software, Storage Area Networking protocols, and Storage Resource Management software. Server: Traditional UNIX operating systems, Linux based operating systems, server hardware platforms, clustering technologies/other availability technologies, server virtualization technologies, systems management software, system monitoring software.

### Responsibilities:

- Will play a lead role in creating the Storage and Server strategy for the Utility of the future. Focus will be on the technology enablers, while planning for the management of those technologies in partnership with the Solutions, Deployment, and Operations organization.
- Develop a long term vision and plan by creating and maintaining strategy documents, roadmaps, standards, and reference architectures.
- Will design key Storage and Server Architectures (both logical & physical) as a key enabler to the successful creation of the Smartgrid.
- Responsible for integration strategy of Storage and Server technology in a broader Data Management strategy.
- Will be responsible for establishing and managing the lifecycle of Storage and Server technologies.
- Will be responsible for rationalizing enterprise platforms.
- Effectively communicate the PG&E Technology Footprint to the ISTS Functional Area clients, to build understanding and appreciation for the cost, effort, risk associated with it.
- Managing expected performance of our vendors and maintaining relationships with partners
- Will hold key peer stakeholder relationship responsibility for broader IT organization as it relates to Storage and Server

### Minimum Required Qualifications:

- Minimum of 5 years of storage and backup related experience
- Minimum of 5 years of open systems server technology, specifically UNIX platforms and Linux
- Minimum of 3 years of general experience in IT Operations and Support
- Minimum of 3 years of Enterprise Storage Operations experience
- Experience in integrating various storage technology solutions

- Specific Storage Technologies knowledge: for example HDS USPv, IBM DS8300, HDS AMS
- Specific Backup Technologies knowledge: for example IBM TSM, Symantec Netbackup, Sun Tape Drive and Library Technology, EMC EDL virtual tape libraries
- Solid understanding of UNIX and Windows, specifically AIX, Solaris, Redhat Linux, Oracle Enterprise Linux
- Clustering technologies such as HACMP, Microsoft Cluster Service, Symantec Cluster Service
- Experience communicating with Lines of Business and translating technical concepts to a non-technical audience

#### Desired

- Foundational understanding of specific Database technologies such as MS SQL, Oracle DB, Oracle RAC, and Oracle ASM
- Ability to develop and drive the strategy with stakeholder involvement and team building
- 4 plus years of IT architectural and planning experience
- 2 years of Budget Planning experience

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**Job Category**

: Information Technology

**Primary Location**

: United States of America

**Job Level**

: Individual Contributor / Associate

**Schedule**

: Full-time

**Travel**

: Yes, 10% of the time