

## Member, Architects' Guild, Portal Applications

"I am very good at conceptualizing, architecting, developing and delivering telecom service-enabling portal-based software solutions to the mid to senior level IT managers. These software solutions include:

- real-time, interactive Web-based video collaboration services ["cloud-based enterprise services", e.g., Jive, Yammer, Skype for Business / Lync, Google Drive, Office365, Google Docs].
- remote presentation services ["Web conference services", e.g., WebEx, GoToMeeting, TeamViewer, Join.me].
- industry-specific remote communications services ["tele-platform services", e.g., tele-healthcare, tele-training, tele-education, telepresence].

Coscend's approach is designed to bring an account sales and program management focus to integrated cloud-based services.

I want to innovate and be part of big architecture products from the very beginning. In my free time, I learn cutting edge and advanced technologies and program management methodologies to be at the forefront. I use popular frameworks, but write custom code without fear.

**If I do not have any one or more of these elements, I can develop them fairly quickly.**

I am intricately knowledgeable about the entrepreneurial workings of early stage ventures.

- I have the passion for transforming a segment of the industry.
- I have the empathy to listen, adopt and commit to fast-growth objectives through my:
  1. drive to contribute something significant that leaves a legacy behind.
  2. insatiable hunger and commitment for achievements.
- I am willing to pay the price for this opportunity due to my:
  1. stamina to sustain for a long period.
  2. willingness to learn and grow.
  3. motivation for significant personal and career growth, along with financial rewards. The rewards would be incomparably and significantly higher than other opportunities."

**Do you claim the above?**

This Engineering Leader would aspire to build Coscend's innovation in the portal technology and applications segment. This leader will grow into the CTO and VP (Engineering) roles at the company. This leader would aspire to grow into a technology visionary in the industry.

Not every leader would have every element of the description below, but they would have significant overlap with it. If a candidate does not have any one or more of these elements, he / she should be able to pick things up fairly quickly.

### **Skills**

A senior software engineering professional with a demonstrated track record of proven results in software architecture creation, software programming, deployment and integration:

- [Preferred]: of **telecom, media, Internet** and **entertainment services** offered by network operators.
- [Preferred]: of **cloud-based enterprise services** offered to enterprise customers and consumers.
- [Preferred]: serving the **enterprise, mobile applications** and telecom **BSS** and **OSS** markets.

Someone aware of a few of the management consulting tools used at consulting companies such as McKinsey will help close deals sooner.

Experience in and knowledge of industry standards including:

- [Preferred]: IT software: CMMi, ITIL, COBIT.

### **Additional skills**

- Excellent understanding of Web and Windows concepts and technologies (HTTP(S), HTML/XHTML, PHP, ASP, JSP, JavaScript, CSS, IIS, server/client, proxies, caching).
- Proficient in Internet-related applications such as e-mail clients, FTP clients and Web browsers and Windows applications.
- Proficient in open source technologies such as Spring, Webflow, BIRT, Tomcat and MySQL.
- Experience developing and supporting a LAMP (Linux, Apache, MySQL, PHP) stack.
- Knowledge of TMForum and eTOM application integration framework.
- Knowledge of enterprise integration patterns, enterprise application architecture, and test-driven development.
- Experience in relational databases (i.e., MySQL, PostgreSQL), SQL Server databases and management applications.

### **Responsibilities**

This position is responsible for managing, gathering, and processing information related to Business/Operational Support Systems (BSS/OSS), enterprise and mobile applications and overall solution architecture leadership and delivery.

- This leader plays a critical role in making sure programs are envisioned, designed, developed and implemented across the enterprise (including BSS, OSS, enterprise and mobile) to meet business needs.
- This leader is one of the program's leadership team members who have primary responsibility that a solution is well engineered, operable, maintainable, delivered on schedule, aligns to enterprise vision and actually provides the anticipated business value.
- Responsibilities include:
  - Solution engineering, project coordination, business requirements analysis, requirement specification, project documentation and product creation and launch of portal systems.

- Promote the effective use of the management systems throughout the Company.
- Planning:
 

This role may also involve working with the CIO or VP (Engineering), senior leadership team, and other supporting architects to ensure the system defined by their project integrates in with existing systems and is in alignment with the Company vision, technology, roadmaps and/or standards.

  - Assist in the planning and design of new or upgraded systems;
  - Assist in the evolution of enterprise product and system roadmaps;
  - Interact with departments to implement improvements in process;
  - Perform analysis of overall portal information management systems;
  - Interact with cross-organizational teams to determine portal support for business requirements;
  - Assist in analysis of specific system elements, such as system software, components transactions, integration architecture, data modeling, and processes, with recommendations for appropriate changes;
- Program management:
  - This leader is responsible for making sure the entire solution design is complete and consistent from the start and seeks to remove as much re-work as possible.
  - This leader will collaborate with CTO leads, business, engineering product teams, operations personnel, enterprise technology, product managers, and strategic partners / vendors in gathering portal applications requirements and engineering comprehensive and cost-effective enterprise solution architectures that meet functional and performance expectations.
  - This leader is involved at every phase of the project lifecycle from intake through delivery. This includes full life cycle of software development such as requirements and Object Oriented analysis, design, development, testing and documentation.
    - ♦ Requirements
      - Generate business requirements, use cases and technical specifications. Track and document requirements for enterprise (portal) development projects and enhancements (e.g., architectural functional requirements);
      - Analysis of functional specifications, user requirement analysis, design and development of technical specifications based on discussions with business owners and functional owners.
      - After thorough analysis of functional specifications and discussions with business owners and functional owners, design and write technical specifications.
    - ♦ Assist in the development of portal solution architecture (both tactical and strategic) to fully manage/support enterprise needs, services, systems and technology management;
    - ♦ Develop functional prototypes, test cases and products. Write various test scripts and test plans for unit and system testing.
      - Involved in writing code.
      - Test, deploy and integrate products.
      - Troubleshooting and debugging various implementation bugs.
    - ♦ Documentation: Write requirement specification documents, design documents, test cases and analysis, user training documents and technical help documents. Create software quality assurance documents.
  - Other

- ♦ Coordination of the work assignments, manage the delivery and performance of the team, while personally participating into code writing, testing, bug fixing, and technical support.
- ♦ Involved in RDBMS-based applications.
- ♦ Involved in designing using UML.

#### In general

- Develop external and internal Web and Windows portals allowing users to input and retrieve accurate information.
- Design and implement Web pages, Windows user interfaces, user-driven templates, databases and interfaces.
  - Transactional, message-oriented software design patterns.
  - Work with clients and Project Managers to build and refine graphic designs for Websites by using Photoshop, Fireworks, or equivalent application(s).
  - Convert raw images and layouts from a graphic designer into CSS/XHTML themes.
- Write concurrent applications in business critical environments. E.g.,
  - Building a customer relationship manager (CRM) or other User Interfaces.
  - Designing, developing and implementing enterprise e-mail hub application that sends and tracks emails.
  - Developing multiple types of portals such as sales representative portal, alternative sales channel portal, self-service advertiser portal, and customer self-service portal.
  - Developing and implementing a reporting portal that facilitates report scheduling, custom settings, e-mailing performance analytics and processing 1000s of reports per hour.
  - Architecting and designing various services / controls keeping in mind the best practices for developing APIs/Services and by using ERP component interfaces, XML and Java Beans for multiple product sets such as e-commerce pay per click, user registration, business profiles, fixed variable pricing, rating, charging and billing.
  - Develop and maintain configurators and related applications that use robust technologies such as Java and Weblogic.
- Use GIT and SVN version control system.
- Develop database-driven Web and Windows interfaces for rapid, real-time information sharing.
- Perform complete testing of Web and Windows applications unit and system, engaging users as necessary.
  - Unit testing frameworks such as MJUnit.
  - Conduct all user acceptances testing, and report results.
  - Generic test automation suites: Rational, Mercury, EAST, Segue.
- Experience and knowledge of NHibernate object relational mapper.
- Contribute regularly to the development community of content management system (CMS) of your choice.
- Common responsibilities
  - Focus on quality and produce suite of comprehensive unit tests for delivered functionality to fully manage/support enterprise needs, services, systems and technology management.
  - Collaborate with quality assurance teams on test planning and automated testing.
  - Work with front-end team on integration and usability related issues.
  - Work closely with Engineering and Product Management teams on test planning.
  - Write test automation (Python, Selenium) and maintain automated test suite as part of build process.

- Be an advocate for the customer on issues of usability and quality.
- Work with engineering on debugging and diagnosis of issues.
- Manage application bug tracking process including prioritization and 'scrub' process.
- Develop release plans in collaboration with engineering.
- Assist in and create software quality assurance and customer documents.
- Be the system administrator for test and build machines.