

**Sagicor Life Insurance Company**  
**Job Description**

**Department:** Systems & Programing (SSIT Application Development)  
**Position:** Solution Architect - Exempt  
**Grade:** 5  
**Supervisor:** VP Application Development

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**Position Purpose**

The solution architect establishes the “guardrails” for a given project and how that project fits into the larger application ecosystem. In this way, the solution architect ensures that the new initiative integrates robustly, securely, flexibly, and efficiently into the Enterprise across the various business domains, information models, enterprise concerns, industry standards, established patterns, and best practices. The role of the Solutions Architect becomes more and more important as systems complexity increases.

**Principal Goal**

The Solutions Architect will identify the key elements of the problem or solution, the relationships between these elements and how they combine to provide value. He will create a conceptual vision of the solution in the form of a conceptual architecture diagram that shows major users / channels of the system, other system interactions, as well as the major logical functions and data that must be acted upon or created framing the scope of the project.

The solutions architect will communicate key details to many audiences and must establish what details are and are not important to each stakeholder group associated with the initiative through the use of various architectural models (POSIX, TOGAF, Zachmann, DoDAF, and FEAF) Importantly, organizational adherence to an architecture is ultimately determined by the value it brings and the solutions architect must work across projects to assist their adoption of the architecture and its inherent constraints.

The solutions architect will track the various products in use across the Enterprise to provide early visibility to when third-party solutions will go end of life or whose underlying architecture is trailing industry norms.

**Duties/Responsibilities**

- ◆ Solution architect has a special responsibility to reuse existing functions and services.
- ◆ The architect will align new solutions to the current architectural principles regarding standards and integration in the organization.
- ◆ The architect will work with leadership and project teams to balance functional and nonfunctional requirements with necessary prioritizations and compromises. The goal for the solution architect is the success of the current project, in addition to how well the project aligns to the architectural principles and how well it reuses existing capabilities.
- ◆ The solution architect will work with project teams to balance delivery of functional requirements against the backdrop of architectural quality attributes such as flexibility, performance, reusability, testability, usability, and security.
- ◆ The solution architect will work with IT leadership and Project Sponsors to prioritize and optimize the different quality attributes with respect to cost and other constraints.

◆ **Position:** – Exempt

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- ◆ The solution architect will work with the IT Support, Development, and Business Relationship Management functions to ensure that roadmaps for key applications are developed that describe the short, mid, and longer range transition points and required investments. This will require an evaluation of current and new technologies/products lifecycles (to include emerging technologies to retired technologies). Ultimately, this role will propose when to introduce new technologies and when existing technologies should be replaced.
- ◆ The solution architect will review enterprise capabilities and develop plans to support strategic business requirements.
- ◆ The solution architect will examine business strategies, enterprise transformation activities, and technology directions to promote roadmap alignment or adjustment.
- ◆ The solution architect will set strategies, policies, standards, and practices to drive operational effectiveness and continuous process improvement.
- ◆ Other duties as assigned.
- ◆ Required to complete 8 hours of community service. Participation can only be done through the organizations that have been designated by Human Resources to each Sagikor business/office location. These hours are to be scheduled through your Department Manager.

### **Qualifications**

- ◆ Bachelor's Degree (BSc.) in computer science, software engineering, or equivalent and 8 to 10+ years of relevant experience.
- ◆ Deep knowledge in at least one of more areas including security, collaboration, middleware, networking, mobile devices, governance, Service Oriented Architecture and messaging, i-series development, open systems development, Windows development, web development, storage, database, and specific vertical business applications.
- ◆ Strong selling skills to promote ideas, concepts, plans, direction, and evaluations for technical and non-technical audiences at the practitioner and leadership level. Creating followership is essential to success and the Solutions Architect must demonstrate solid impact and influence skills
- ◆ Solid understanding of the main architectural frameworks which includes POSIX, TOGAF, Zachmann, DoDAF, and FEAF
- ◆ Ability to employ various techniques for modeling (conceptual, logical, and physical) as well as techniques that are best suited to the type of project and solution under consideration. UML would be a good baseline.
- ◆ Sound understanding of project management methodologies and techniques.
- ◆ Real world experience with application architecture, back office systems, and SOA architecture design.
- ◆ Knowledge of emerging technologies for deployment of applications such as Mobile and portal technologies
- ◆ Good working knowledge of Windows, Linux, AIX, SOLARIS, AS 400, SQL Databases such as SQL Server, Oracle, Informix or DB2.
- ◆ Good working knowledge of VMware, Hyper V, and other virtualization technologies.
- ◆ Good working knowledge of Java and/or .NET programming languages, Understanding of Web Services (SOAP/RESTful/JSON)
- ◆ Good working knowledge of JavaScript and JavaScript libraries such as jQuery or Angular using Java Libraries for data marshalling.
- ◆ Experience with Maven, Bamboo, Confluence and Fisheye or another build tools. Unit testing and mocking a plus as well as Source Control such as SVN or Git essential.
- ◆ Good working knowledge of web frameworks such as Spring, .NET MVC or JEE 6/7, Application servers such as Tomcat, JBoss, WebLogic, IIS or WebSphere
- ◆ Strong business and analytical thinking skills; must be able to understand the business aspects of the job such as the profitability of an IT system before proposing it for a firm and should be able to assist business managers in selecting and installing cost effective systems
- ◆ Application Architect must be able to communicate effectively with team members and non-technical persons, i.e. good at issuing instructions and explaining things in easy to comprehend manner
- ◆ Other important qualities suited for the job includes the ability to motivate staff independent of reporting relationships, attention to detail, and good interpersonal skills.

**Position:** – Exempt

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- ◆ Good ability to analyze information related to computer technology to assist in directing company management in the selection of software and hardware to meet the needs of the organization.
- ◆ Good working knowledge of TQM or other quality programs (Six Sigma, Lean, Total House of Quality, etc.) along with a solid understanding of root cause analysis.
- ◆ Good written and verbal communication skills along with excellent administrative and organizational skills.
- ◆ Ability to exercise strong judgment in analyzing, appraising, evaluating and solving problems of a difficult procedural, organizational, administrative or technical nature.
- ◆ Previous experience within a financial services environment would be an asset.