



Solutions Architect

Job Scope

The Solutions Architect is responsible for designing and implementing technology solutions that meet the business needs of an organization. This role involves working closely with stakeholders to understand requirements, evaluating existing systems and infrastructure, and creating comprehensive solution designs. In addition, the Solutions Architect plays a critical role in aligning technology strategies with business objectives, ensuring scalability, performance, and security of solutions, and guiding the implementation process.

Responsibilities

- **Solution Design:** Collaborate with business stakeholders, project managers, and technical teams to gather requirements and translate them into scalable and robust solution designs. Evaluate existing systems and infrastructure to identify areas for improvement and recommend suitable solutions.

Technical Expertise: Maintain a deep understanding of emerging technologies, industry trends, and best practices related to system architecture, integration, and development. Apply this knowledge to propose innovative and efficient technology solutions.

Architecture Planning and Documentation: Create and maintain architecture plans, diagrams, and documentation that outline the structure, components, and integration points of the proposed solutions. Ensure that the architecture aligns with the organization's technology standards and guidelines.

Solution Development Oversight: Provide guidance and oversight to development teams during the implementation phase. Collaborate with developers to ensure adherence to the solution design, proper integration of components, and adherence to coding and security standards.

Scalability and Performance Optimization: Design scalable solutions that can accommodate future growth and increased demand. Identify potential performance bottlenecks and recommend optimizations to ensure optimal system performance.

Security and Compliance: Incorporate security and compliance requirements into solution designs. Assess potential risks and vulnerabilities and propose appropriate security controls and measures. Ensure compliance with relevant regulations, standards, and policies.

Stakeholder Communication: Effectively communicate complex technical concepts and solution designs to technical and non-technical stakeholders. Present and justify proposed solutions to business executives, project teams, and clients.

Technology Evaluation and Selection: Research, evaluate, and recommend technologies, tools, and frameworks that align with the organization's objectives and fit the solution requirements. Conduct proofs-of-concept and feasibility studies to validate technology choices.

Risk Assessment and Mitigation: Identify potential risks and issues associated with the proposed solutions. Develop risk mitigation strategies and contingency plans to address anticipated challenges or obstacles.



Collaboration and Teamwork: Collaborate with cross-functional teams, including developers, system administrators, project managers, and business analysts, to implement solutions successfully. Foster a collaborative and cohesive working environment.

Requirements

- Bachelor's degree in computer science, information technology, or a related field. Advanced degrees or certifications (e.g., TOGAF, AWS Certified Solutions Architect) are advantageous. Proven experience as a solutions architect or in a similar role, with a focus on designing and implementing complex technology solutions.
Strong understanding of software development principles, system architecture, and integration techniques.
Knowledge of a wide range of technologies, platforms, and frameworks, such as cloud computing, databases, networking, web technologies, and security.
Familiarity with enterprise architecture frameworks and methodologies.
Experience in developing scalable, high-performance, and secure solutions.
Strong analytical and problem-solving skills, with the ability to assess complex business requirements and propose appropriate solutions.
Excellent communication and presentation skills, with the ability to communicate effectively with technical and non-technical stakeholders.
Project management skills, with the ability to prioritize tasks, manage deadlines, and deliver results in a dynamic environment.
Strong collaboration and teamwork skills, with the ability to work effectively with cross-functional teams.
Business acumen and the ability to understand and align technology solutions with business goals and strategies.
Continuous learning mindset and staying updated with emerging technologies and industry trends.