

ENTERPRISE TECHNOLOGY ARCHITECT

DEFINITION

Under direction, facilitates, analyzes and designs tasks related to the development of enterprise technology architecture (ETA); performs related work as assigned.

CLASS CHARACTERISTICS

This is the journey-level class in the Enterprise Technology Architect series, and incumbents are fully competent to independently facilitate, analyze, and design of enterprise information architecture. Incumbents work on major projects as part of a team, and will be responsible for smaller projects. This class is distinguished from Senior Enterprise Technology Architect in that the latter provides lead direction and work review to assigned staff and/or performs and coordinates the most complex and specialized work associated with enterprise architecture.

EXAMPLES OF DUTIES (*illustrative only*)

- Understand, advocate and augment the principles of business and IT — and more specifically enterprise architecture — strategies.
- Analyze enterprise business context (trends and business strategy) to derive technical architecture.
- Analyze the current technology environment to detect critical deficiencies and recommend solutions for improvement.
- Analyze technology industry and market trends, and determine their potential impact on the enterprise.
- Apply the principles that guide technology decisions for the enterprise.
- Participate in the implementation of an ETA based on business requirements and IT strategies, as well as to rectify gaps and pain points within the current state.
- Assist with designing the governance activities associated with ensuring ETA compliance.
- Oversee and consult on technical architecture (for example, systems and deployment) implementation and modification activities (for example, projects), particularly for new and/or shared infrastructure solutions.
- Participate in the evaluation and selection of hardware and software technology and product standards, as well as the design of standard configurations.

- Consult on application or infrastructure development projects to fit systems or infrastructure to the technical architecture, and identify when it is necessary to modify the technical architecture to accommodate project needs.
- Identify the organizational impact (for example, on skills, processes, structures and culture) and financial impact of the ETA.
- Document necessary technical architecture design and analysis work, possibly including project postmortem documentation and metric collection.

WORKING CONDITIONS

- Work occasional evening and weekend hours.
- May be required to travel statewide as necessary.

QUALIFICATIONS

Knowledge of:

- Principles of enterprise technology architecture.
- Multiple, diverse technical configurations, technologies and processing environments.
- All components of a technical architecture.
- Understanding of network architecture.
- Understanding of service-oriented architecture (SOA) and object-oriented analysis and design.
- Principles and techniques of project management.
- Principles and techniques of preparing effective oral presentations.
- Principles and techniques of preparing a variety of effective written materials.

Ability to:

- Understand the long-term ("big picture") and short-term perspectives of situations.
- Estimate the financial impact of technical architecture alternatives.
- Apply multiple technical solutions to business problems.
- Quickly comprehend the functions and capabilities of new technologies.
- Remain unbiased toward any specific vendor or technology choice and focus interest on results rather than personal preferences.
- Develop and track project plans.
- Organize own work, set priorities, and meet critical deadlines.
- Communicate effectively in English, orally and in writing.
- Establish and maintain effective working relationships with those contacted in the course of the work.

Licenses and Certificates:

None.

Education and Experience:

Bachelor's degree in computer science, systems analysis or a related study and five years of experience in at least two IT disciplines in an n-tier or service-oriented architecture (SOA) environment, including technical architecture, network design, application development, middleware, servers and storage, database management, and operations.

Additional directly related experience may be substituted for the education on a year-for-year basis.