Class Concept

This is technical and analytical work in developing, designing, configuring, scripting, and/or supporting applications for the business, research, and/or instructional functions of clients. This role is responsible for independently gathering requirements, designing, and developing application systems within the data architecture established for the State. This is technical work with large sophisticated applications or a portfolio of applications and the management of application system implementation projects. This role works with management to define and design complex applications to meet the business development requirements of the organization, generally on an enterprise-wide level.

Recruitment Standards

Knowledge, Skills, and Abilities

- Thorough knowledge of specialized computer development or programming languages; and of coding processes and security measures
- Ability to evaluate and analyze existing specialized applications and define problems effectively in order to make recommendations; accurately identify business needs and process improvements
- Ability to review and translate specifications in order to write and/or code programs which produce desired results, to develop and use appropriate testing protocols, and to use and interpret technical manuals and publications
- Intermediate knowledge of specific agency functions and business needs; of changes in computer technology and specific applications systems; and of laws, rules and regulations affecting the business needs of the organization
- Ability to review and analyze user requests and other information and design appropriate programs and systems
- Ability to lead teams and supervise the efforts of lower-level applications development staff
- Demonstrated ability to perform a wide range of programming and analysis work and to work independently

Minimum Education and Experience

Bachelor's degree in computer science or an IT related field or related technical degree from an appropriately accredited institution and four years of progressive experience in business application consulting or development; or

Associate degree in computer science or an IT related field or related technical degree from an appropriately accredited institution and five years of progressive experience in business application consulting or development; or

High School or General Education Development (GED) diploma and eight years of experience in business application consulting or development; or an equivalent combination of education and experience.

Note: This is a generalized representation of positions in this class and is not intended to identify essential functions per ADA.