



Job Description

Job Title:	Applications Architect	Job Code:	
Department:	Information Technology Services	Grade:	N
Date:	June 2006	FLSA:	Exempt

The incumbent in this job is expected to assist the College in achieving its vision and mission. Customer focus, college service, and a willingness to assist as needed are expectations for all employees.

General Function:

This is a mid to senior level position for a Knowledge Professional focusing in the functional areas of applications programming and designing as needed by the Information Technology Services Department in delivering service and support to clients. Designs, develops and integrates software applications to provide business solutions to users at the college.

Characteristic Duties and Responsibilities:

1. Designs, develops and constructs the applications infrastructure.
2. Plans the design, development and integration of the application components of a solution that may span multiple disciplines, technologies, departments, and/or lines of business.
3. Provides application solution consulting to clients and/or other team members.
4. Participates in business project planning, high-level scoping and planning of projects; creates standards for project development, processing and data modeling.
5. Promotes effective software design and development practices with special focus on overall quality and performance.
6. Documents, presents and articulates architectural recommendations to Systems Architect and ITS management.
7. Provides input and direction during the design, configuration, development and implementation of applications.
8. Assists users and peers with problem solving and education in areas of expertise.
9. Maintains professional knowledge of current trends and developments in the field and applies pertinent new knowledge to performance of other responsibilities.
10. Maintains a consistent, high quality, customer-focused approach when conducting business and providing services or products to clients, the general public and other external customers.
11. Interacts with all levels of state personnel in a way that promotes respect, encourages cooperation, and contributes to excellent performance.
12. Performs other duties as assigned.

Reporting Relationships:

Direction Received:	Reports to Executive Director, Administrative Information Services
Direction Given:	Provides functional guidance to Programmer Analysts and Web Developers regarding applications; may coordinate and/or lead less experienced employees and student employees

The intent of this job description is to provide a representative summary of the essential functions that will be required of positions given this title and should not be construed as a declaration of specific duties and responsibilities of any particular position. Employees will be assigned specific job-related duties through their hiring departments. Specific job-related duties assigned by hiring departments shall be consistent with the representative essential functions listed above and shall not be construed as expanding a particular position's role, scope, FLSA status, or grade.



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Minimum Requirements:

Bachelor's degree in computer science or related field and 4 to 6 years of experience in applications programming and/or applications architecture or related, a combination of course work beyond the associate's degree level, certification and experience may substitute for the bachelor's degree; industry-specific certification preferred.

Knowledge, Skills, Abilities and Worker Characteristics:

Demonstrated expertise in web-based systems architecture
Demonstrated ability to develop a plan for a long-term application and business solutions
Knowledge of object-oriented analysis and design, design patterns and distributed systems
Experience leading the development of small to mid-size and scalable applications
Proven ability to mentor and transfer knowledge to others
Depending on the operational needs of the department, knowledge in the following areas is needed (specific skills are subject to change with new and emerging technologies):

- RelaxNG, CVS, Subversion, Lisp, "AJAX", Make, Ant, Atom, RSS, Microformats, Python, HTTP, XML, XSLT, XPATH, XHTML, CSS
- Applications architecture
- Design patterns
- Domain expertise in education

Working knowledge of complex programming languages, web tools, scripting languages, database design, and operating systems

Skills in requirements gathering, designing, troubleshooting, and supporting users
Ability to maintain effective working relationships with those contacted in the course of work
Ability to effectively manage time, and communicate clearly
Ability to maintain a customer focus in providing technology services

Working Conditions:

Typical office environment; may occasionally lift lightweight objects up to 25 lbs. and may experience minor discomfort from frequent use of a video terminal; infrequent bending and twisting at the waist, pushing, kneeling, stooping and reaching overhead; exposure to electrical hazards; travel between buildings on campus and between campuses; very infrequent travel out of town

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