

The University of Texas at San Antonio

Job Description

Job Title: Enterprise Systems Programmer
Code: 17513
Salary Grade: 62
FLSA Status: Exempt
Department/Division: Office of Information Technology, Infrastructure services
Reports To: Assistant Director, Application Development and Support

Summary

- **Function:** Under minimal supervision the person is responsible for development and maintenance of large scale application and database by evaluating client needs; analyzing requirements; developing and maintaining new and existing software systems to support achieving university business requirements

Duties

- **Typical:**
 1. Develop and helps to architect large-scale web abased applications using 3-tier software architecture and agile methodology
 2. Understand the different methodologies utilized in the Software Development Life Cycle and support the project through the entire lifecycle (SDLC) including design, development, testing and production release
 3. Develop web services, web services description language (WSDL), Simple Object Access Protocol (SOAP), AML, and Windows Communication Foundation classes (WCF)
 4. Develops Windows or Oracle Forms
 5. Works with Data Architect and Sr. Systems Analyst to designing and developing layouts for web, window and mobile applications
 6. Develops prototypes using the functional specification for software project
 7. Assist in Use Case Analysis and UML diagramming
 8. Supports and maintains implementation of complex off-the-shelf components or applications requiring development
 9. Assists in consulting with key customers and external entities, to define business requirements, create and document technical strategies to support the development of solution in support of University business function and provide technical support for driving the solution to implementation
 10. Responsible for utilizing source control management tools
 11. Provide feedback on testing functionality requirements and performance implements and provide feedback on usability design principles

12. Follows and provide feedback on applicable software development processes, policies, procedures and coding standards.
13. Assist in the collaboration of database administrators and the Database Architect on design, development, testing, and implementation of custom application
14. Identify systems deficiencies and work on development and implementing solution
15. Works to meet all development deadlines and schedules and consistently delivering high-quality products; prioritizes and executes task in high-pressure environment.
16. Proactively initiates, develop, and maintains effective working relationship with team members; follows through with commitment and foster mutual trust with fellow employees; cooperates with a variety of people to achieve desired results
17. Proactively seek opportunities to broaden and depend knowledge base and proficiencies; shares acquired skills with team member through formal and informal channels
18. Mentors junior developers in best practices, appropriate use of design pattern, coding standard and security guidelines
19. Stays abreast of industry trends and all applicable technologies including scripting, security issues authoring tools, and new languages in order to broaden and expand knowledge based and proficiencies.
20. Assist with special project, new technologies and deadlines
21. Assists in architecting and developing software solution utilized university wide to support areas such as but not limited to student, faculty and staff services, ERP system and application to support University business function
22. Troubleshoot and correct performance problems related to web, desktop and mobile application; provide technical assistance and training by responding to inquiries regarding errors, problems or questions.

- Periodic:

1. Provide On Call Support
2. Other Related Function as assigned

Education

Required	Preferred
Bachelor's degree from four year college or university within area of assigned responsibility.	N/A
Technical training and/or experience may be substituted for a degree on a year for year basis.	

Other Requirements

Required	Preferred
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Good communication, teamwork, testing and documentation skills.	N/A
Ability to manage midsize enterprise level project development. Proficiency with systems design, programming and scripting.	

Experience

Required	Preferred
3 or more years of experience in enterprise application development, analysis, systems design, and programming using OOP techniques and full project lifecycle.	N/A
3 years of experience developing stored procedures, functions and packages using MS SQL 2005+.and/or Oracle PL/SQL.	
3 years' experience developing using .net, c#, or other scripting languages.	
Experience developing ETL processes and reports	

Equipment

Required	Possible
Personal computer and standard office equipment.	N/A

Working Conditions

Usual	Special
Work performed in an office environment with occasional work in a data processing environment. The noise level in the work environment is usually moderate.	The employee is occasionally required to stand or walk.
While performing the duties of this job, the employee is regularly required to sit and talk or hear with or without reasonable accommodations.	The employee must occasionally lift and move up to 40 pounds.

Supervision

Received	Given
General supervision received from Senior Enterprise System Programmer, Manager, or Assistant Director.	Mentors assigned staff.

Accuracy

Proficiency in all phases of the duties performed.

Security Sensitive

Specific job requirements or physical location of some positions allocated to this classification may render the position security sensitive, and thereby subject to the provisions of section 51.215 Texas Education Code.

Internal Control

Within the scope of position duties, responsible for seeing that operations are effective and efficient, assets are safeguarded, reliable financial data is maintained, and applicable laws, regulations, policies, and procedures are complied with.