The University of Texas at San Antonio

Job Description

Job Title: Senior Enterprise System Programmer

Code: 17514

Salary Grade: 64

FLSA Status: Exempt

Department/Division: Office of Information Technology, Infrastructure Services

Reports To: Assistant Director, Application Development and Support

Summary

- Function: To lead the enterprise application development technical functions.

- Scope: Responsible for the development, utilization and maintenance of Enterprise web and mobile application, including applications, including application security in accordance with software requirements and the objective of the UTSA community

Duties

- Typical:
  1. Develops and helps to architect large-scale web based applications using 3-Tier software architecture and agile methodology.
  2. Understand the different methodologies utilized in the software Development Life Cycle and support he 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), XML, and Windows Communication Foundation class (WCF), Develop window or oracle forms
  4. Work with the enterprise Data Architect and Enterprise user interface Designer when designing and developing layout for web, window and mobile applications
  5. Assist in architecting and developing software solutions utilized university wide to support areas such as but not limited to student, faculty and staff services, ERP systems and application to support University business functions
  6. Develop prototypes using the functional specification for software project
  7. Conducts code reviews, gives feedback on how to improve the solution and documents/reports finding. Responsible for utilizing source control management told
  8. Responsible for working with the Web Solution Architect in evaluating new standard, technologies and trend in design, development, and delivery

9.   Support and maintain implementation of complex off-the-shelf component or application requiring development
10. Assist in consulting with key customer 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
11. Provide feedback on testing functionality requirements and performance; implements and provide feedback on usability design principles. Assist in Use Case Analysis and UML diagramming
12. Follows and provide feedback on applicable software development processes, polices, procedures and coding standards
13. Collaborate with database administrators and the Database architect on the design, development testing, and implementation of custom application
14. Identify system deficiencies and work on developing and implementing solution
15. Work to meet all development deadlines and schedules and consistently delivering high-quality products; prioritizes and executes task in a high-pressure environment
16. Proactively initiates, develops and maintains effective working relationship with team members; follows through with commitments and foster mutual trust with fellow employees; cooperates with a variety of people to achieve desired results
17. Proactively seeks opportunities to broaden and deepen knowledge base and proficiencies, shares acquired skills with team members through formal and informal channels; mentors junior developers in best practice, appropriate user of design patterns, coding standard and security guidelines; encourages fellow teams members to make innovative contributions and embrace new ideas
18. Stays abreast of industry trend and all applicable technologies, including scripting, security issues, authoring tools, and new languages in order to broaden and expand knowledge based and proficiencies.
19. Troubleshoot and correct performance problems related to web, desktop and mobile applications, provide technical assistance and training by responding to inquiries regarding errors, problems or questions
20. Assist with special project new technologies and deadlines.
21. Other duties as assigned.

- Periodic:
  1.   Provides On-Call Support

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
Proficiency with systems design, programming and scripting.	N/A

Experience

Required	Preferred
5 or more years of experience in enterprise application development, analysis, systems design, and programming using OOP techniques and full project lifecycle.	N/A
Three years of experience developing stored procedures, functions and packages using MS SQL 2005+.and/or Oracle PL/SQL. Three years' experience developing using .net, c#, or other scripting languages.	
Experience with Oracle forms development Experience developing ETL processes. Good communication, teamwork, testing and documentation skills.	
A minimum of one year experience acting as a technical lead in enterprise level project development.	

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 employee is occasionally required to stand or walk. The employee must occasionally lift and move up to 40 pounds.
The noise level in the work environment is usually moderate.	

| While performing the duties of this job, the employee is regularly required to sit and talk or hear. | |

Supervision

Received	Given
Direct supervision received from Manager or Assistant Director.	Mentors junior level 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.