

PROGRAMMER ANALYST, VISUAL BASIC

DEFINITION

Performs systems analysis and programming, working with considerable independence on fairly complex systems and programs or on major segments of the most complex projects. Programming responsibilities span a range of platforms and development tools.

TYPICAL DUTIES

Performs systems analysis and design on projects of average size and complexity.
Assists with formulating and defining computer systems requirements and recommends techniques for processing data.
Prepares block diagrams, detailed flowcharts, and related documentation describing operations to be performed by computers.
Writes and maintains batch and on-line computer programs for n-tier architecture systems.
Tests coding, audits results, and corrects errors in program logic.
Analyzes existing systems and programming logic difficulties and takes corrective action.
Creates job control language for batch operations and systems interfaces.
Performs data conversions and testing of data quality.
Designs data input/output forms including reports.
Provides technical assistance for and assists in the training of assigned programming personnel.
May participate in meetings with customers with regard to modifications to existing systems, methods, forms, records, and reports.
May design, develop and maintain web sites.
May assist in the evaluation of new software, tools, and methods.
Performs related duties as assigned.

DISTINGUISHING CHARACTERISTICS AMONG RELATED CLASSES

A Programmer Analyst performs responsible systems analysis and programming on complex projects, assists higher-level programmer analysts on the most complex projects, and may provide work direction and technical assistance to assigned programming personnel.

A Senior Programmer Analyst, working independently or as a project leader, applies advanced technical proficiency in systems design and programming to the analysis of unusually complex management information problems and requirements and the design of improved information systems.

An Assistant Programmer Analyst performs routine programming and performs progressively more difficult assignments in problem analysis and systems design under the work direction of journey-level programming personnel.

SUPERVISION

General supervision is received from supervisory programming personnel. Functional supervision may be exercised over the work of Assistant Programmer Analysts.

CLASS QUALIFICATIONS

Knowledge of:

- Principles of client/server computing local area networks, and highly available web-based applications
- Programming languages such as VB.Net, Vbscript, ASP.NET, C# etc.
- Structured Query Language (SQL) and stored procedures
- Visual Basic relational database systems
- Report development tools such as Crystal Reports, Oracle Reports, etc.
- Web application design and development
- Principles of report, screen, and form design
- Information technology concepts and capabilities
- New trends in the field of information technology
- Principles of program documentation
- Systems analysis and application design and data modeling techniques
- Principles, procedures, and methods used in data acquisition, storage, structuring, and retrieval
- English usage, punctuation, and spelling

Ability to:

- Analyze business methods and procedures and adapt them to information technology
- Analyze existing manual and computerized procedures and develop improvements
- Write and code difficult and complex programs or interfaces
- Perform quality control analysis of code
- Prepare block diagrams and flowcharts
- Write clear and logical reports and instructions
- Write clear and logical system documentation
- Develop test data and analyze problems in programs
- Provide technical assistance to staff members with lower-level technical skills
- Express complex concepts orally, schematically, and in writing
- Work effectively and independently on assigned projects
- Work effectively and cooperatively with District personnel
- Learn and apply new concepts in information technology
- Learn the characteristics of new systems and update skills to adapt to changing technology
- Communicate effectively orally and in writing

ENTRANCE QUALIFICATIONS

Education and Experience:

Graduation from a recognized college or university with a bachelor's degree in computer information systems, computer science, or a closely related field, and two years of experience in a client server environment with extensive experience in software development, programming, and systems analysis and design for business applications utilizing Visual Basic 6.0, VB.Net, VBscript, C#, or ASP.Net.

OR

Completion of a 30-semester unit certificate program or equivalent in computer information systems, computer science, or a closely related field, and five years of experience in a client server environment with extensive experience in software development, programming, and systems analysis and design for business applications utilizing Visual Basic 6.0, VB.Net, VBscript, C#, or ASP.Net.

OR

Two years of experience as a LAUSD Assistant Programmer Analyst programming in a Microsoft .NET-based environment utilizing Oracle and/or SQL Server databases.

Experience with project/personnel management in a team environment and distributed systems is desirable. Experience with Crystal Reports is also highly desirable.

Special:

A valid California Driver License.

Use of an automobile.

Employees in this class are subject to call at any hour.

This class description is not a complete statement of essential functions, responsibilities or requirements. Requirements are representative of the minimum level of knowledge, skill and/or abilities. Management retains the discretion to add or to change typical duties of a position at any time.

Revised
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SJ