SENIOR PROGRAMMER ANALYST (SAP)

DEFINITION

Analyzes and coordinates the work of a project group engaged in SAP applications programming, development, and analysis, working with considerable independence on fairly complex Enterprise-wide SAP systems and programs or on major segments of the most complex projects. Designs, builds, implements and maintains ABAP and OOABAP programs for SAP business application systems.

TYPICAL DUTIES

Performs systems analysis, programming, and development on complex Enterprise-wide technology projects.

Performs technical analyses of business requirements to identify IT customer solutions.

Designs, builds, tests, implements, maintains, and enhances SAP ABAP or equivalent programs in SAP technologies that require innovative and/or diversified approaches to the resolution of problems in the areas of data collection, data reduction and coding, systems controls, auditing, processing cycles, and inquiry and reporting, to identify IT customer solutions.

Confers with management, operating unit personnel, and customers to define the scope of the information requirements and evaluate alternative approaches to improving information systems.

Designs new functionalities to meet the District's requirements and improve system efficiency.

Identifies, investigates, analyzes, and recommends solutions to software problems.

Plans and designs SAP objects such as Workflows, Reports, Interfaces, Conversions, Enhancements, and Forms (WRICEF) using various SAP systems and technologies such as SAP ABAP, Object Oriented ABAP, WebDynpro, UI5, SQLScript, Data Services, etc.

Designs, builds, tests, implements, maintains, and enhances SAP data services, SAP WebDynpro, and UI5 to and from external systems.

Analyzes and documents system interface requirements between applications and the SAP system.

Designs, builds, tests, implements, maintains, and enhances SAP reports, and interfaces to and from external systems.

Instructs assigned programming personnel in applying innovative and advanced analytical and programming techniques to the resolution of problems.

Creates and maintains technical specifications of programming activities.

Supervises and coordinates activities of a small group of SAP or non-SAP programming/technical staff.

Prepares and provides workload reports for management.

Evaluates and recommends industry best practices, guidelines, and standards relating to SAP ABAP life cycle management

Provides training and mentors lower-level technical staff.

Performs related duties as assigned.

DISTINGUISHING CHARACTERISTICS AMONG RELATED CLASSES

A Senior Programmer Analyst (SAP) working independently or as a project leader, applies advanced technical proficiency in SAP systems design and programming to the analysis of unusually complex management information systems and provides general supervision to Programmer Analysts and other technical personnel.

The Computer Applications Administrator SAP plans, organizes, and directs the activities of a staff involved in the implementation and development of the automation of Human Capital Management modules such as payroll, time, benefits, budget, finance, personnel, purchasing, and other SAP technical applications.

A Programmer Analyst (SAP) performs responsible SAP 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.

SUPERVISION

General supervision is received from a Computer Application Administrator (SAP) or SAP/ERP Manager. Supervision is exercised over assigned programming personnel.

CLASS QUALIFICATIONS

Knowledge of:

SAP enterprise software components including SAP ABAP Programming Language, Object Oriented ABAP, and Web Dynpro ABAPSAP interface technologies such as SAP Report, ALE, IDocs, BAPI, Workflows, and SAPscript
SAP Objects such as Workflows, Reports, Interfaces, Conversions, Enhancements, and Forms (WRICEF)
SAP ASAP methodology and System Development Life Cycle (SDLC)
Techniques of systems analysis, design, and data modeling as they relate to SAP systems and applications
Information technology concepts and capabilities as they relate to SAP/Enterprise-wide programs, including software engineering, formal software development methodologies, and principles of software quality assurance
Principles of program documentation
New trends in the field of information technology and their implications for the design and development of enterprise software
Principles, procedures, and methods used in data acquisition, storage, structuring, and retrieval
Principles of supervision

Ability to:
Analyze business requirements, methods, and procedures and adapt them to achievable information technology solutions
Analyze existing manual and computerized procedures and develop improvements
Write highly efficient and maintainable complex ABAP code
Write clear and logical reports, instructions, and documentation
Supervise and train personnel assigned to projects
Develop test data and analyze problems in programs
Provide technical assistance and mentoring to staff members with lower-level technical skills
Communicate complex concepts effectively orally, schematically, and in writing
Work effectively on assigned projects independently or as a team member
Work effectively with customers and IT colleagues

ENTRANCE QUALIFICATIONS

Education:

Graduation from a recognized college or university with a bachelor's degree in computer information systems, computer science, or a closely related field. Additional qualifying

experience may be substituted on a year-for-year basis provided that the requirement of a high school diploma or equivalent is met.

Experience:

Four years of experience as a SAP programmer which included experience developing conversions, interfaces, enhancements, user exits, and reports.

Special:

A valid California Driver License
Use of an automobile

SPECIAL NOTES

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

The class description is not a complete statement of essential functions, responsibilities, or requirements. Entrance requirements are representative of the minimum level of knowledge, skill, and /or abilities. To the extent permitted by law, management retains the discretion to add or change typical duties of a position at any time, as long as such addition or change is reasonably related to existing duties.

Revised
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PJO