

SAP ABAP DEVELOPER

DEFINITION

Supervises, coordinates, and reviews the work of IT technical professionals engaged in performing applications programming, development, and analysis on enterprise-wide systems and programs and resolves the most complex aspects of these projects.

TYPICAL DUTIES

Plans, supervises organizes, and reviews the work of SAP programmers engaged in performing the following 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 programs supporting the enterprise applications.
- Designs new functionalities to meet the District's requirements and improve system efficiency.
- Identifies, investigates, analyzes, and recommends solutions to software problems.
- Develops programs using SAP's Legacy System Migration Workbench Batch Data Conversion Utility Facilities to convert data from external systems to the SAP enterprise system and to facilitate periodic mass changes to data in the system.
- Analyzes and documents system interface requirements between applications and the SAP system.
- Designs, builds, tests, implements, maintains, and enhances SAP reports and interfaces, SAP data services, and SAP UI5 to and from external systems.
- Creates and maintains technical specifications of programming activities.
- Reviews functional specifications and determining if the design function comply with District standard practices.
- Provides professional expertise to formulate designs for system enhancements/changes for improved system and business processing.

- Plans, schedules, supervises, coordinates, delegates, and reviews the programming and development of complex enterprise-wide technology projects.
- Establishes and implements technical procedures for work performed by assigned staff.
- Mitigates risk to projects and resolves technical problems threatening success of projects.
- Participates in studies of organizational, staffing, budget, equipment, and materials.
- Plans and coordinates training of IT personnel in applying innovative and advanced analytical and programming techniques including updating skills of legacy system programmers to the ABAP language.
- Manages relationships with hardware and software vendors.
- Performs related duties as assigned.

DISTINGUISHING CHARACTERISTICS AMONG RELATED CLASSES

A SAP ABAP Developer is responsible for supervising and coordinating multiple units of systems and programming staff and reviews the most complex systems analysis, design, and programming activities in a broad area of SAP applications

The Computer Applications Administrator SAP plans, organizes, and directs the activities of a staff involved in the implementation and development of the automation of payroll, budget, finance, personnel, purchasing, and other technical applications.

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.

SUPERVISION

General supervision is received from the Computer Applications Administrator SAP. General supervision is exercised over the work of assigned programming personnel.

CLASS QUALIFICATIONS

Knowledge of:

- SAP enterprise software components, specifically the SAP ABAP, OOABAP, SQLScript, UI5 Script Programming Language, SAP reports, user exits, SAPScript, IDocs, BAPI's, ALE, OData Services, and other programming pertaining to SAP technologies
- SAP ASAP and ACTIVATE 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 project management and project risk mitigation
- Principles of supervision and training
- Principles and practices of business and public administration

Ability to:

- Analyze business requirements, methods and procedures and adapt them to achievable information technology solutions
- Effectively manage large, high-risk IT projects
- Analyze existing manual and computerized procedures and develop improvements
- Write highly efficient and maintainable programming code in SAP ABAP, OOABAP, HR-ABAP, SQLScript, and UI5 Scripting
- Write clear and logical reports, instructions, and documentation
- Develop test data and analyze problems in programs
- Supervise and train IT personnel
- 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
- Stay abreast of current trends and technical advancements

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.

Experience:

Five years of experience as a SAP programmer which included experience developing conversions, interfaces, enhancements, user exits, and reports. At least two years of the above experience must be in a team lead or supervisory role.

Special:

1. A valid California Driver License
2. Use of an automobile

SPECIAL NOTES

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. 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.

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PJO