PROGRAMMER ANALYST (SAP)

DEFINITION

Performs applications programming, development, and analysis, while working with considerable independence on fairly complex Enterprise-wide systems and programs or on major segments of the most complex projects. Designs, builds, implements and maintains SAP ABAP WRICEF programs, such as ABAP Web Dynpro or similar SAP UI technologies 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 programs to identify IT customer solutions.

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

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

Develops WRICEF (Workflow, Reports, Interfaces, Conversions, Enhancements, Forms) using various SAP technologies.

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.

Creates and maintains technical specifications of programming activities.

Follows software development guidelines, standards, best practices, and software life cycle management set by SAP IT management at District.

May provide training and mentor lower-level technical staff.

Performs related duties as assigned.

DISTINGUISHING CHARACTERISTICS AMONG RELATED CLASSES

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.

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.

An Assistant Programmer Analyst performs routine programming with 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 a Senior Programmer Analyst (SAP), Computer Application Administrator (SAP) or SAP ABAP Developer. Technical supervision is exercised over the work of assigned programming personnel.

CLASS QUALIFICATIONS

Knowledge of:

Advanced SAP concepts such as ESOA, and UI5
SAP production support activities and processes in a medium to large SAP environment
SAP interface technologies such as ALE, XI/PI, BAPI, and ESOA
SAP enterprise software components specifically SAP ABAP Programming Language in design
    coding of WRICEF developments in SAP modules, Object Oriented ABAP, and Web Dynpro
    ABAP
SAP interface technologies such as SAP Report, ALE, IDocs, BAPI, and SAPscript
SAP Objects such as Workflows, Reports, Interfaces, Conversions, Enhancements, and Forms
    (WRICEF)
Techniques of systems analysis, design, and data modeling as they relate to SAP systems and
    applications
SAP ASAP methodologies and programs such as life cycle management and quality control
    assurance processes
Principles of program documentation such as technical specifications with pseudo code, data
    flow diagrams, unit test plans, and test results capture
New trends in the field of information technology and their implications for the design and
    development of applications with respect to SAP enterprise software
Principles, procedures, and methods used in data acquisition, storage, structuring, and retrieval

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 ABAP code
Write clear and logical reports, instructions, and documentation
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:

Three years of experience as a SAP programmer developing SAP ABAP WRICEF objects and
have completed at least one complete SAP life cycle. Experience in Object Oriented ABAP,
ABAP Web Dynpro or SAP UI5 or SAP interface technologies such as ALE, XI/PI, BAPI, and
ESOA is preferred.

<u>Special</u>:

     A valid California Driver License
     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.

Revised
09-03-20
JAP