METROLINK

JOB DESCRIPTION

Job Title: IT Architect II
Working Title: IT Architect II, Business Intelligence
FLSA Status: Exempt
Salary Grade: 10

PURPOSE OF POSITION
The IT Architect II, Business Intelligence, will work under minimal supervision in gathering requirements, designing, developing, documenting, and implementing business solutions. This position supports the analytical and operational reporting needs across all functions at the SCRRA.

DISTINGUISHING CHARACTERISTICS
This job description is not part of a job series.

SUPERVISION EXERCISED AND RECEIVED
- Receives supervision from departmental management/supervisory level roles
- No formal supervisory responsibilities

ESSENTIAL DUTIES AND RESPONSIBILITIES
The duties listed below are intended to describe the general nature and level of work being performed and are not to be interpreted as an exhaustive list of responsibilities.
- Design and develop Business Intelligence solutions for operational and analytical reporting.
- Develop roadmap for an enterprise-wide BI reporting and analytics platform.
- Support analytical and operational reporting needs across all functions at the SCRRA.
- Design, develop, document and implement overall BI architecture, including ETL processes, data-integration tasks and reporting solutions. Design and develop data models for the data warehouse.
- Ensure data quality, consistency, integrity, and reliability throughout the agency.
- Design and develop complex integration solutions spanning internal applications, external data sources, and the data warehouse.
- Analyzes data and measures quality, investigates gaps and discrepancies, and develops and produces related data analysis reports and studies.
- Design and deploy automated delivery mechanisms for reports both within the agency and to external stakeholders.
- Interact with business clients and requestors to analyze requirements, define, size, cost, and configure proposed solutions.
- Research and troubleshoot issues reported by the business or information technology team.
- Build and deploy the PTC Lab by deploying (Servers, VMWare Virtual Machines, Corgi, MR PAX, ITCM - hosts, waysides, Locos, Wabtec WSRS, IBM Rational Team Concert, Wabtrax applications).
- Simplify complex PTC processes to increase reliability and usability.
- Improve reliability of the Train Simulators environment by upgrading Dell Workstations, Cory's Thunder Software, connecting to the SCRRA Fiber-Optic backbone, and abandoning antiquated AT&T DSL.
- Integrate logical and effective user workflow.

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- The responsibilities outlined above are representative of the role but not exhaustive. Additional duties may be assigned as needed, and reasonable accommodations will be provided to qualified individuals with disabilities in accordance with applicable laws.

MINIMUM QUALIFICATIONS

Education and Experience

- Bachelor's degree in Computer Information Systems, Business Information Systems or related field.
- A minimum of seven (7) years of work experience in data warehouse design, architecture, and development.
- A combination of training, with a minimum of an Associate Degree and/or experience that provides the required knowledge, skills, and abilities, may be considered when determining minimum qualifications. Advanced relevant coursework may also substitute for a portion of the required experience.

Preferred Qualifications

None

Knowledge, Skills, and Abilities

Knowledge of:

- SCRRA Public transportation system, processes, operation and culture
- Waterfall and rapid-application-development software development life cycles, and DW concepts
- SAP business object tools and various modules
- Advanced Excel and Java
- Oracle and Linux
- IBM Rational Team Concert Eclipse Client
- Windows servers

Skilled in:

- Communicate with technical and non-technical customers
- Troubleshooting and attention to detail
- Data architecture and maintenance documentation
- Project management
- Analysis and problem solving
- Scripting
- Implementing software

Ability to:

- Write and debug complex ETL programs and SQL statements. Provide upkeep and maintenance.
- Monitor integrity of data warehouse
- Conduct ETL and ad hoc query performance tuning, monitoring, troubleshooting, and support
- Develop and maintain ETL (extract, transform and load) solution using Informatica, Oracle Pl/SQL and other techniques
- Develop enterprise-wide BI reporting and analytic platform
- Design and deploy automated delivery mechanisms for reports within agency and to external stakeholders

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- Recommend appropriate technologies
- Work independently in a team-oriented, collaborative environment

PHYSICAL REQUIREMENTS
- Transition between a stationary position at a desk or work location and move about Metrolink facilities or other work site locations
- Operate tools to perform the duties of the position, such as computers, office equipment, and work-related machinery
- Transport equipment or boxes up to 25 lbs
- Exchange ideas by means of communication
- Visual acuity to detect, identify, and observe employees or train movement and any barriers to movement when working on or near railroad tracks
- Hear and perceive the nature of sounds when working on or near railroad tracks
- Balance, ascend/descend, climb, kneel, stoop, bend, crouch, or crawl within assigned working conditions and or locations

Working Conditions

Position requires work in a normal office environment with little exposure to excessive noise, dust, or temperature. Work may also be conducted in outdoor environments, at construction sites, Railroad Track and Right-of-Way environments, and warehouse environments, with possible exposure to individuals who are hostile or irate, moving mechanical parts, and loud noises (85+ decibels, such as heavy trucks, construction, etc.)

Southern California Regional Rail Authority is an Equal Opportunity Employer. In compliance with the Americans with Disabilities Act, the Authority will provide reasonable accommodations to qualified individuals with disabilities and encourages both prospective and current employees to discuss potential accommodations with the employer.

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