



Salt Lake County Job Description

Associate Software Engineer Business Intelligence

DEPARTMENT: Administrative Services

DIVISION: Information Services/ 6050

JOB CODE: 828-1 **GRADE:** 15

FLSA STATUS: Non-Exempt

SALARY PLAN: TRD

EFFECTIVE DATE: 01/16/2017

SAFETY SENSITIVE: No

JOB SUMMARY

Assists in the development, testing, deployment, and support of Business Intelligence (BI), analytics, and data management solutions, including existing solutions and new development projects for Salt Lake County's user community and the Data and Analytics group within the Information Technology (IT) organization.

MINIMUM QUALIFICATIONS

Four (4) years of equivalent and directly related data and software experience in a similar environment, size and scope OR a Bachelor's degree in Computer Science, Information Systems or statistics Or a combination of education and experience.

Due to the nature of this position, the successful applicant must pass a required pre-employment background check and subsequent mandatory background checks in accordance with current County Human Resources policy requirements.

ESSENTIAL FUNCTIONS

The following duties and responsibilities are intended to be representative of the work performed by the incumbent(s) in this position and are not all-inclusive. The omission of specific duties and responsibilities will not preclude it from the position.

Applicants must be prepared to demonstrate the ability to perform the essential functions of the job with or without a reasonable accommodation.

- Assists in design and implementation of models for the data warehouse and maps of source systems to data warehouse models.
- Assists in developing data integrations to include batch extract, transform, and load (ETL) jobs and data APIs.
- Develops, designs, and optimizes complex SQL queries.
- Provides data analysis, profiling, and documentation of business information systems and other data sources.
- Works with other engineers, programmers and analysts in planning, prioritizing and executing assigned tasks within deadlines.
- Assists in analysis and troubleshooting of technical issues.
- Assists in developing and maintaining catalogs of enterprise master data and metadata.

- Assists in preparing training documents and training application users as needed.
- Assists in implementing data collection standards, procedures, and guidelines to support the IT development processes.
- Works with Quality Assurance (QA) team in preparing test cases, plans and procedures.

KNOWLEDGE, SKILLS AND ABILITIES (KSA)

Knowledge of:

- Business Intelligence and Analytics platforms.
- Data modeling and data warehousing concepts.
- SQL and relational database (e.g. MS SQL Server, Oracle, Informix, MySQL).
- System design, development, and testing.
- Windows and Linux environments.

Skills and Abilities to:

- Communicate effectively both verbally and in writing
- Maintain confidentiality and professionalism.
- Remain calm under stress and quickly adjust, evolve and multi-task between several competing priorities at once.
- Logically and systematically analyze and solve problems..
- Write scripts to automate repetitive tasks.
- Develop custom code in Java, Python, or a similar language.

WORKING CONDITIONS AND PHYSICAL

IMPORTANT INFORMATION REGARDING THIS POSITION

12/20/2017 TB