

POSITION: Business Intelligence (BI) Data Engineer

SALARY: \$85,816.00 - \$134,120.00 Annually

OPENING DATE: 05/11/22

CLOSING DATE: 06/01/22 11:59 PM

GENERAL INFORMATION:

The Port of Portland is a gateway to the globe. We operate multiple airports, marine terminals and business parks to build shared prosperity for the region through travel, trade and economic development. As a core member of the Performance & Analytics Division, the Business Intelligence (BI) Data Engineer will lead technical execution in establishing, growing and maintaining enterprise self-service BI at the Port. They will be responsible for designing, developing, and supporting an end-to-end cloud-based technology architecture that integrates disparate system data to provide interactive views of business activity across all Port functions.

The successful candidate will be someone with a passion for telling stories with data, developing insight through visualization and enabling self-service data exploration and discovery at scale. They will have deep expertise in data integration, with the ability to think outside of the box, a strong sense of team-orientation, be highly collaborative, and embrace the value and importance of service. They will also share our deep commitment to diversity and inclusion and advancing practices, strategies and policies that achieve equitable outcomes for all.

The Port of Portland is committed to ensuring the health and safety of our employees and community. As part of this commitment, all Port employees are required to be fully vaccinated against COVID-19 or have an approved medical or religious exception and accommodation as a condition of employment. **Candidates must provide proof of vaccination or have a Port-approved exception and accommodation prior to beginning work at the Port.**

*** This position is classified as FLSA exempt, therefore it is not eligible for overtime compensation for hours worked in excess of a 40-hour work week.**

SUMMARY OF ESSENTIAL RESPONSIBILITIES:

- Provide end-to-end BI data architecture system design.
- Collaborate with Information Technology peers and other internal stakeholders on system design, quality, standards and requirements.
- Create, maintain, and grow a data pipeline that aligns to business requirements and delivers data acquisition and integration from source systems to the data ecosystem with efficient, scalable, secure and robust processes.
- Develop analytic views and models that utilize the data pipeline to provide actionable intelligence into financial performance, operational efficiency, and other key business performance measures.
- Research and maintain deep knowledge of industry trends and best-in-class data technologies and align those to technologies with Port initiatives.
- Work with internal peers and external consultants to select and/or build BI solutions in alignment with the Port's Enterprise Architecture strategy and core philosophies.

MINIMUM REQUIREMENTS/SKILLS AND ABILITIES:

- At least five (5) years of relevant work experience in data architecture management or the equivalent combination of education and/or relevant experience.
- Bachelor's degree in Computer Science or Information systems; or the equivalent combination of education and/or relevant experience. Master's degree is preferred.
- Advanced knowledge of Microsoft SQL Server; cloud-based data ingestion, storage, serving and visualization tools, such as AWS Glue, Matillion, DataBricks, Delta Lake, Amazon Athena, Databricks, Snowflake, Tableau or Power BI.
- Strong command of structured query language (SQL).

Skills and Abilities:

- Experience in development and use of analytical techniques including data mining, data modeling, machine learning, decision support technologies, experimental design, and predictive analytics is preferred.
- Experience with all phases of the system and software development life-cycle, including: research, design, development, testing, documentation, and implementation is preferred.
- Working knowledge of industry IT and data security standards and/or knowledge of regulations pertaining to Aviation and Marine security systems is preferred.
- Skilled at communicating effectively and building key partnerships which will influence, inspire and motivate others
- Effective presentation skills that include verbal, graphical and written techniques
- Defined business acumen, strategic thinking, sound decision making
- Experience managing project ambiguity and complex interdependencies in a methodical and structured way.
- Ability to participate in cross functional projects as part of a team with members from a variety of IT and business disciplines;

Ability to:

- Demonstrate the Port's commitment to valuing differences among individuals and passion for being inclusive
- Understand and speak the language of the business and then translate business needs into technical requirements
- Demonstrate organizational savvy, and understanding of the political climate of the enterprise and how to navigate obstacles and politics
- Effectively drive short-term actions that are consistent with long-term goals
- Voluntarily take the first steps to identify and address existing and potential obstacles, issues, and opportunities
- Promote safety as a guiding principle and a regular practice in accomplishing work with a focus on safety improvements

ADDITIONAL INFORMATION:

- **Safety:** The Port promotes safety as a guiding principle and practice in accomplishing work by complying with safety and health policies and procedures and consistently seeking improvements that support operational excellence.
- **Diversity and Inclusion:** At the Port, we don't just accept difference; we value and support it to create a culture of inclusiveness and fun. We are proud to be an Equal Opportunity Employer.
- **EEO/Affirmative Action Policy Statement:** The Port of Portland is dedicated to maintaining and improving a work environment, which extends equal opportunity to all individuals, regardless of their race, color, sex, age, religion, national origin, marital status, veteran

status, disability or sexual orientation. Employment decisions shall be made in such a manner as to further the principle of equal employment opportunity and to comply with state, federal and local laws. We affirm through this policy statement our continuing commitment to the principles of nondiscrimination and affirmative action.

- Veterans Preference: Under Oregon law, qualified veterans may be eligible for veterans preference when applying for Port of Portland positions. If you are a veteran and would like to be considered for a veterans preference for this job, please provide the qualifying documents as instructed during the application process.
- Background Checks and Drug Testing: The Port of Portland will conduct background checks and/or drug tests for positions where such tests are required by regulation and for other safety-sensitive positions.
- ADA Accommodation: Accommodations will be considered for applicants or candidates with a qualifying disability that prevents them from participating in this process. Accommodations will be made where the Port can reasonably do so without imposing an undue hardship on the business or compromising the integrity of the recruitment process. An applicant with any disability who believes that they need an accommodation should contact Human Resources at 503.415.6000

APPLICATIONS MAY BE FILED ONLINE AT:
<https://www.portofportland.com/Careers>

Position #01532
BUSINESS INTELLIGENCE (BI) DATA ENGINEER
PB

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