

# Building Service 32BJ Benefit Funds Job Description Posting Health Fund

**Job Title:** Data Scientist  
**Grade:** 11  
**Department:** Executive Office  
**Reports To:** Director of Operations  
**FLSA Status:** Non-Union/Non-Management - Exempt  
**Posting Date:** June 30, 2020

**Summary:** The Data Scientist is responsible for exploring, examining, analyzing and visualizing data from multiple disparate sources to develop new products based on the data gathered; has strong business acumen, along with an effective ability to communicate findings to both business and technology leaders. The prime candidate will have the ability to analyze incoming data from multiple business domains and build a data platform upon which to build multiple data-driven applications. The person will be responsible for designing and implementing processes and layouts for complex, large-scale data sets used for aggregation, statistical and research purposes.

#### Essential Duties and Responsibilities:

- Selecting features, building and optimizing classifiers using machine learning techniques
- Data mining using state-of-the-art methods
- Identify valuable data sources and automate collection processes. Extending company's data with third party sources of information when needed
- Enhancing data collection procedures to include information that is relevant for building analytic systems
- Processing, cleansing, and verifying the integrity of data used for analysis
- Doing ad-hoc analysis and presenting results in a clear manner
- Creating automated anomaly detection systems and constant tracking of its performance
- Undertake preprocessing of structured and unstructured data
- Analyze large amounts of information to discover trends and patterns
- Build predictive models and machine-learning algorithms
- Combine models through ensemble modeling
- Present information using data visualization techniques
- All other duties as assigned by management

#### Qualifications and Core Competencies:

- Practical ability to visualize data, communicate the data, and utilize it effectively
- Extensive experience solving analytics problems using quantitative approaches
- A proven passion for generating insights from data
- Strong knowledge of statistical methods generally, and particularly in the areas of modeling and business analytics
- Comfort manipulating and analyzing complex, high-volume, high-dimensionality data from varying sources
- Ability to communicate complex quantitative analysis in a clear, precise, and actionable manner
- Strong problem solving and logical skills.

#### Technical Skills:

- Expert level proficiency in Python, R, or Julia languages for the development of data science applications
- Expertise with SQL databases and unstructured data stores
- Experience working with complex and/or large data sets
- Excellent understanding of machine learning techniques and algorithms, such as k-NN, Naive Bayes, SVM, Random Forests, etc.
- Expertise in testing and validating models and assessing the trade-offs between different modeling techniques and specifications
- Experience with deep learning utilities such as Tensor Flow, PyTorch, or Flux
- Experience with Qlikview or KNIME a plus

#### Interpersonal Skills:

- Effective written and verbal communication with all levels of the organization, including both business and IT partners
- Ability to think creatively and to work well both as part of a team and as an individual contributor

#### Education and/or Experience:

- Degree in Applied Math, Economics, Statistics, Computer Science or other quantitative field. MS preferred

**Language Skills:** Speak, read, write and understand English

**Reasoning Ability:** High

**Certificates, Licenses, Registrations:** None

**Physical Demands:** The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals to perform the essential functions.

- Under 1/3 of the time: Standing, Walking, Climbing or Balancing, Stooping, Kneeling, Crouching, or Crawling
- 1/2 to 2/3 of the time: Sitting, Reaching with Hands & Arms
- Over 2/3 of the time: Talking or Hearing
- 100% of the time: Using Hands

Candidates may submit their cover letter and resume to [jobpostings@32bjfunds.com](mailto:jobpostings@32bjfunds.com) prior to closing date. Only those candidates under consideration will be contacted. No phone calls please.