

## Data Scientist - Job Description

### About the Job:

We are seeking a motivated Data Scientist to join Picket Pharmaceuticals, an emerging pharmaceutical company that is reducing the cost of drug development and will increase the speed of products to the market. Picket Pharmaceuticals will offer high quality, lower cost medicines with a robust supply chain to assure availability.

We focus on products that have been defined as “essential medicines” and medicines that are more likely to be subject to shortages. To support these strategies, we are hiring an analytics team comprised of talented analysts and data scientists that are passionate about developing analytic systems to assure superior pharmaceutical care for patients.

### Responsibilities:

- Leverages knowledge of computer science, machine learning, data mining and software architecture to build high quality databases
- Create predictive models using current and emerging methodologies in machine learning and neural networks
- Ability to communicate technical modeling and relevant aspects of modeling platforms to non-technical audiences
- Develop complex algorithms and statistical approaches and modeling techniques to evaluate scenarios and potential future outcomes
- Responsible for providing support to the organization with data-driven insights using advanced statistical and modeling techniques
- Continuously improve a proactive business-focused framework for testing new data to expand or enhance our decisioning and portfolio management activities
- Manage key milestones, delivery timeline, internal/external expectation end to end
- Identify necessary data and methodologies; collect, integrate, analyze and interpret data
- Leverage advanced statistical analysis methods to create insightful recommendations and conclusions that you effectively communicate to our stakeholders
- Identify and address expected and unforeseen data complexities to mitigate their impact on the analytic outcome and associated business decisions
- Clearly communicate data issues to the recipients and work to improve data quality where possible within the analytical models you create

- Define project scope, set up goals, manage budget, allocate resources, create schedules and project timeline, track deliverables and report on project progress
- Lead project meetings; interface with related parties and ensure alignment throughout the organization
- Advise senior management on key strategic assessments and decisions. Research, integrate and translate market research and analytical insights into opportunities and strategies that shape decisions for Picket's portfolio of products and pipeline development products.
- Develop and present reports, analyses and findings to senior management and others as scheduled or requested
- Act as liaison/analyst for internal stakeholders, understand their needs and translate them into reporting and analytic solutions
- Communicate across functional and leadership levels to inform project status and risks, as well as elevate issues, present recommendations and implement modifications to project plans
- Ability to understand advanced statistical analyses with the market knowledge and modeling expertise to identify patterns with the data, uncover insights/generic opportunities and actionable recommendations
- Follow-up on action items between project meetings and ensure accountability of team members
- Responsible for communicating all project updates, milestones, etc., to team members and stakeholders

#### Education:

- Minimum of a Master's degree in statistics, biostatistics, math, bioinformatics, computer science or a related quantitative field. Advanced qualification including PhD would be preferable. At least ten (10) years of analytics development experience of which at least two (2) years of experience building or leading the development of advanced statistical models to be considered and at least two (2) years of experience formally leading other analysts or interns to build and deploy analytic deliverables. Experience working in pharmaceutical product development, manufacturing processes, and experience in pharmaceutical R&D and cGMP manufacturing operations would be a plus.
- Strong data mining skills using tools like SQL, R, Python, SAS, etc., is expected.
- Knowledge of mathematical fundamentals; statistics, probability theory and linear algebra
- Strong grasp and theoretical understanding of statistics and machine learning.

## Experience, Technical Skills & Qualifications:

- Strong analytical skills, with the ability to perform complex analysis and make recommendations based on statistical inferences.
- Experience with a wide variety of analytical or statistical methods.
- Self-motivated with a demonstrated ability to work independently, and to exercise independent judgment in developing complex techniques or programs in a dynamic environment.
- Excellent oral and writing skills; ability to communicate effectively with varying audiences. • Demonstrated ability to articulate goals, plan and implement processes to achieve those goals, recognize and assess the implications of confounding variables, and meet deadlines.
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- Strong working knowledge of Business Intelligence products (SAS, Excel, PowerPoint, etc.)
- Strong leadership skills and strategic problem-solving ability; ability to predict issues and identify solutions
- Excellent organizational skills: proactive and capable of multi-tasking
- Ability to lead small team in projects
- All applicants must possess or obtain authorization to work in the US for Picket Pharmaceuticals.

Picket Pharmaceuticals, Inc., is an Equal Opportunity Employer. All qualified applicants will receive consideration for employment without regard to race, color, age, sex, sexual orientation, gender identity, religion, national origin, genetic information, disability, or protected veteran status. To be considered for this position, you must apply and meet the requirements of this opportunity.

## Benefits

- Compensation: Commensurate with experience and responsibility
- Benefit package details provided during interview process

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