Job Description

Data Scientist

Technology Team
USA

We are a rapidly growing, privately held company positioned at the forefront of the movement to bring much-needed technologies to today's oilfields. Our core mission is to add visibility to every well in every field, regardless of its location or current communications system. At Ambyint, every day presents a new challenge and another chance to excel in a fast-paced, dynamic role that will expand in tandem with your unique skill set. We are focused on nothing short of excellence in customer experience and value creation. If you are as well, then consider joining our team!

The following will appeal to the **Ideal Candidate**:

- You're looking for a **cultural 'fit'** rather than just a job
- Passion, an outgoing personality and self-motivation define you
- You like to be **part of a team**, but also work well independently without supervision
- Customer satisfaction is important to you, but you remain true to your values
- You love collaborating with others, **reading and learning** like you've never left school
- You are **curious, creative, biased toward action** and love solving problems
- It is in your nature to do less, but do it well, and always **deliver what you promise**
- You don't assume that you are the best and have humility to learn from others
- You see the world as a set of mathematical equations

As a **Data Scientist** at Ambyint you will report to the Chief Technology Officer with the objective of leveraging/applying innovative machine learning and data mining technologies for solving a diverse set of problems related to the oil and gas industry. You will:

- Work independently and as a team member to deliver a successful product to market

- Use your background and experience in machine learning and information retrieval

- Utilize dataset experience in document, graph, log data and semi-structured data

- Routinely apply your strength in Statistical Modeling, Data Mining, Pattern Recognition and Information Retrieval

- Employ your knowledge of distributed computing solutions and leverage them towards gaining faster insights from data

- Explore and examine data from multiple disparate sources with the goal of discovering previously hidden insights

- Work regularly in the Cloud

- Utilize SCRUM and Agile methodologies to complete tasks and accomplish workflows

Skills & Requirements

- Graduate degree in Engineering, Science or related field at an accredited college or university
- 2+ years work experience designing and developing data science solutions
- Excellent understanding of machine learning techniques and algorithms, such as k-NN, Naive Bayes, SVM, Decision Forests, etc.
- Data mining experience including data auditing, aggregation, validation and reconciliation
- Extensive experience working with Hadoop, Apache Spark, AWS EMR
- Experience with common data science toolkits, such as R, Weka, NumPy, MatLab, etc

If these qualities and qualifications describe you, we'd love to hear from you! Send us your resume and a cover letter at jobs@ambyint.com, and let us know why you're interested in joining our team.

About Ambyint

Ambyint has been delivering best-in-class artificial lift optimization solutions to E&P customers since 2004, when the company was founded in Calgary, Alberta as Pumpwell Solutions. Through actively acquiring data, monitoring, and optimizing thousands of horizontal and vertical wells across Western Canada with its solution over the next decade, the company amassed a data lake so large that it gained the ability to make computer-generated inferences. Thus, the team began leveraging the power of artificial intelligence and machine learning to develop an end-to-end solution that merges traditional physics-based techniques with modern data science and analytics, effectively bringing the massive power of the Internet of Things (IoT) and big data analytics to the oil patch in an unprecedented way.

Today, Ambyint is able to diagnose a number of abnormal / damaging well conditions via our proprietary, AI-based platform, which features a modern user interface that dramatically cuts optimization workflow times over traditional offerings, as we continue to expand the functional scope of our data science and machine learning algorithms. Ambyint currently has offices and staff in Calgary and Houston, with solutions deployed to customers across North America and the rest of the world. The company is led by a team of experienced oilfield entrepreneurs, production engineers, operations practitioners, and leading-edge technologists.