



## DeepSense Job Descriptions

### Data Scientist

#### **Job description**

DeepSense is looking to hire an experienced engineer with research capabilities to take part in the development of algorithms and software in the domain of machine learning, driving the future of Industrial predictive analytics. you will have a chance to tackle some of the most demanding Big Data and IoT algorithmic problems DeepSense is facing.

The company site located in Haifa Matam.

#### **What you will do:**

- Apply your advanced machine learning and software expertise to research and develop state-of-the-art data mining, predictive models and optimization algorithms to our failure prediction platform.
- Develop production application code to enact the different logical aspects
- Continuously deployment of new developed techniques into our big data cloud-based analytical environment
- Mentor, direct and guide the R&D team on statistics and advanced data processing.
- Works both independently and as a part of a team

Given the scope and depth of the role, the position is for someone who is extremely passionate about advanced statistics combined with forward thinking technology & innovation. It requires a creative, out of the box thinker who has the enthusiasm & energy to match a fast paced environment.

#### **Requirements:**

1. BSc degree in Mathematics/ EE /CS/ Information Systems or related field
2. Experience with at least one of the domains: machine learning, Signal Processing, Neural Networks and statistical predictive modeling.
3. Relevant engineering background, with OOP (Java/Python/..) coding capabilities
4. Hands on experience with analysis of large data sets under Big Data and distributed computing infrastructures (Hadoop ecosystem)
5. Proficient in Matlab or R or other statistical software package.
6. Team player, communicative, highly motivated, innovation-oriented, can-do attitude.

#### **Nice to have:**

1. Successful research track record, focused on time series analysis, anomaly detection and failure prediction
2. M.Sc. /Phd with relevant thesis
3. Satisfying knowledge in different machine learning domains
4. Ability to perform under pressure and changing priorities



## Big Data/Java developer

### **Job description**

DeepSense is looking to hire an experienced Big Data Engineer to take part in the development distributed and scalable SaaS platform to support its Analytics & BI activities, driving the future of Industrial predictive analytics. You will have a chance to tackle some of the most demanding Big Data and IoT software problems DeepSense is facing.

We are looking for a Big Data Infrastructure Developer that will utilize his expertise in order to build, maintain and improve complex and challenging big data applications

The company site located in Haifa Matam.

### **What you will do:**

- Responsible for design and development of our big data platform infrastructures (Hadoop ecosystem environment).
- Responsible for selecting and integrating big data tools and frameworks
- Responsible for development and automation of Integration, deployment and monitoring layers of our big data platform – definition, writing, choosing 3rd party technologies and deployment
- Works both independently and as a part of a team

Given the scope and depth of the role, the position is for someone who is extremely passionate about architecting big data platform combined with forward thinking technology & innovation. It requires a creative, out of the box thinker who has the enthusiasm & energy to match a fast paced environment.

### **Requirements:**

1. At least 3 years of experience with big data ecosystem (distributed file systems, distributed programming, NoSQL Databases) – infrastructures development, maintenance and deployment. -Must
2. Thorough knowledge and experience with Java and Python especially multi-threading and concurrent programming
3. Experienced with Linux OS – development, administration and installation.
4. Experienced with relational and NoSQL databases, such as elastic search, HBase, Cassandra.
5. Relevant academic degree (Computer Science / Industrial Engineering / Information Systems /..)
6. Team player, communicative, highly motivated, innovation-oriented, can-do attitude.

### **Nice to have:**

1. Experienced with Bash scripting languages
2. Experienced with installing, management and monitoring of Hadoop/Spark cluster
3. Experienced with Big Data querying tools, such as Pig, Hive, and Impala
4. Familiar with data mining, machine learning and visualization tools