

## Data Scientist – Telefónica Digital

02/2014

### Job Purpose/Summary

Telefonica Digital is a brand new global business division of Telefonica that's set to take the digital world by storm. Through headquarters in London and regional hubs in Silicon Valley, Sao Paulo, Spain and Israel and innovative digital businesses including Jajah, Terra, Media Networks Latin America, giffgagg and 48, we're going beyond connectivity to blaze a trail in the digital world and seek out amazing new innovations that can change people's lives for the better.

We're searching for more people who can keep us improving and evolving and leading and leaving the competition far behind. The kind of people who exist to innovate.

### The Role and the Team

Participate as part of development team in sprint planning and review events according to Agile methodology, analyzing features specifications (user stories), translating them into development tasks and estimating those tasks to build sprint backlog

Work hand by hand in a constructive way with other Software Developers/Data Scientists as well as Engineers specialized in Product Management, User Experience, Quality, Release Management and Service Delivery, cooperating in the achievement of the common objectives and helping the others to make their most

Participate in and/or lead the technical decisions impacting on the product software being developed in order to assure that requirements are met and differential technology is created while balancing delivery constraints

Taking part of Technical Councils for other software products different from the one he/she is working for, providing valuable feedback in a proactive way in order to ensure that the best technical decisions are taken

### Specific Responsibilities

Design, develop and maintain algorithms/prototypes to extract relevant information from big amounts of data

Write clean, scalable and fast performing code according to guidelines and quality standards (SOLID principles, code readability, pattern use, coupling, cyclomatic complexity etc.), including development and maintenance of automated unit tests. Review other developers' code according to code review mechanisms followed at Telefónica Digital

Pursue the generation of common components and best practices, fostering the reuse of technology and knowledge across Telefónica Digital software products, specifically in the data mining domain.

Research and recommend new technologies as well as software libraries (including open open source), models and tools

### **Leadership:**

Participate in “make” versus “buy” decisions from a technical point of view concerning technology relevant for Big Data products

Bring innovation to the Big Data products and pursue the generation of differential patentable technology

Evangelize new technologies in the businesses of Telefónica Digital through understandable, simple and convincing communication

Take an active role in building the best place to work for developers

### **Experience**

#### **Qualifications required:**

Strong Background in Predictive modeling , Machine Learning, Data mining and Artificial Intelligence, including: Support vector machines, Bootstrap aggregating / bagging, Cluster analysis, Cascading classifiers, Decision trees, Time series analysis & time series forecasting, Boosting, Factor analysis, Structural equation modeling, Item response theory, Markov chains, Voronoi diagrams, Neural networks, Genetic algorithms, Data visualization, Bayesian modeling, Multivariate regression, Logistic regression.

MS/PhD in Computer Science, Telecommunication, Mathematics or Physics.

Good command of English and Spanish

Team Working

Scripting languages: Python

Hadoop/Mapreduce environment.

NoSQL (MongoDB) and SQL (MySQL)

Java, C++, C are a plus

Hadoop-based tools (Mahout, Hive, Pig) are a plus

Other Statistical analysis tools (Octave, SAS, SPSS, Clementine, JasperSoft, Pentaho, Tableau, Weka) are a plus

Continuous integration software.

Linux environments.

AWS/EMR