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Business role:

The Travel Intelligence Unit is a new area of IT diversification for Amadeus. Amadeus is strongly committed to aggressively grow this new division which it sees as a key strategic objective in order to lay the foundations of future growth. The aim of this new unit is to provide Travel Intelligence Services which revolutionize the travel industry and enable customers to make their business more profitable.

The Data Scientist is part analyst, part artist: comfortable working as a software engineer and a quantitative researcher, the Data Scientist is capable of staring at data and spotting trends, wanting to learn and bring change to an organization. The Data Scientist most likely explores and examines data from multiple disparate sources. The Data Scientist sifts through all incoming data with the goal of discovering a previously hidden insight, which in turn can provide a competitive advantage or address a pressing business problem. The Data Scientist does not simply collect and report on data, but also looks at it from many angles, determines what it means, then recommends ways to apply the data. The Data Scientist is inquisitive: exploring, asking questions, doing 'what if' analyses, questioning existing assumptions and processes. Armed with data and analytical results, The Data Scientist then communicates informed conclusions and recommendations across an organization's leadership structure.

Main responsibilities:

- Work closely with the product management team to identify and answer important customer questions
- Answer customer questions by using appropriate statistical techniques on available data
- Communicate findings to product managers and assess whether a solution can be industrialized
- If need be, implement the industrialization of a solution in the customer specific environment
- Drive the collection of new data and the refinement of existing data sources
- Analyze and interpret the results of product experiments and new observations
- Develop best practices for instrumentation and experimentation and communicate them

Skills:

- Extensive experience solving analytical problems using quantitative approaches
- Comfort manipulating and analyzing complex, high-volume, high-dimensionality data from varying sources
- Strong passion for empirical research and for answering hard questions with data
- Flexible analytic approach that allows for results at varying levels of precision

- Ability to communicate complex quantitative analysis in a clear, precise, and actionable manner
- Fluency with at least one scripting language such as Python or PHP
- Familiarity with relational databases and SQL
- Expert knowledge of an analysis tool such as R, Matlab, or SAS
- Experience working with large data sets, experience working with distributed computing tools a plus (Map/Reduce, Hadoop, Hive, etc.)

Specific knowledge:

- Strong business acumen
- Good communication skills
- Excellent general culture

Desired Skills and Experience

Education:

M.S. or Ph.D. in a relevant technical field, computer science and applications, modeling, statistics, analytics and math

Relevant work experience:

Ideally 4+ years experience in a relevant role

Business understanding:

Deep understanding of the Travel industry

Good knowledge of new technologies

Languages:

Fluent in written and verbal English, a second language useful (particularly one of Spanish, French, German)

Computing:

Advanced PC skills

About this company

Leading provider of IT solutions to the tourism and travel industry present in 217 markets.

Its solutions and services are used by customer groups in different ways. Over 100,000 travel agency locations and more than 34,000 airline sales offices use the Amadeus System to run

their business. Many of the industry's other leading travel service providers use our modular technology to optimise their distribution and internal operational requirements.

Our tagline, "Your technology partner", reflects the approach we take towards our customers. We focus on building and maintaining mutually beneficial long-term relationships. Through this stability we develop an understanding of where we can maximise our customers' success, through the provision of technology.