## Introduction

Pioneer implementing **Big Data analytics** and cloud technologies.

Head of the team responsible for designing and modeling a strategic BI dashboard application to discover business opportunities from internet backbone network data.

**1st prize winner. Microsoft & Beeva** Internet-of-things Challenge (2015)

## Professional Experience

Freelance Analytics consultant(August 2015 – to date)

* **Web and competition analysis** for a **new media** company in Spain (story coverage, text analysis: shingling and stemming, and profitability analysis).
* **Data analysis** and **model fitting** in R and Python for **demand estimation** (company: orogenia.com)

Telefónica Global Solutions (MAY 2003 – July 2015)

* New Technologies Advisor (December 2012 – July 2015)
* **Big data analytics technical lead**: Project proposal, architecture definition for data discovery application for generating new sales prospects based on statistical analysis of Internet traffic (based on Hadoop, Talend, and Qlikview).
* **HP Analytics replacement with Elasticsearch** + Logstash + Graphite for Telefonica Global Video Platform CDN supervision.
* **Hadoop devops**: Development of an automated node deployment system using test-driven infrastructure approach with Chef and Vagrant.

IT Service Design Consultant (January 2010-December 2012)

* Presales support for global RFPs (from feasibility, budgeting, and presentation to systems deployment) helping to close 8MN€ in sales.

Systems and Services Integration Consultant (May 2003 - December 2010)

* Design and development of a **custom BI application** for internet traffic and service management storing about 5TB of service and application data.
* Alarm and incident script coding

Other relevant positions

Systems Support Engineer *Telefonica Data Corp 2000-2003*

Scientific computation sysadmin *Universidad de Alcalá 1998-2000*

## Education

**IT Systems Engineering Degree** (Ingeniero Técnico en Informática de Sistemas) Alcalá University, Madrid (2003) <http://www.uah.es>

## Certifications and courses

Vendor-specific

* **IBM** Certified Database Associate – DB2 10.1 Fundamentals (April 2013)
* **Google Analytics Individual Qualification** (GAIQ) #01416236 (Nov 2012)
* **ITILv3 Foundation**

Data and machine learning

* Introduction to Big Data with Apache Spark (June 2015) – EdX
* Scalable Machine Learning (July 2015) - EdX
* Machine Learning (Jan 2016) – Coursera
* Text Analytics with SAP HANA Platform (Feb 2016) – SAP

Project Management

* **‘**PMI for Effective Project Management’(2007)

## Languages

|  |  |  |  |
| --- | --- | --- | --- |
|  | Speak | Read | Write |
| English | Advanced | Fluent | Fluent |
| Spanish | Native | Native | Native |
| German | Basic | Basic | Basic |

## Abilities and Technical Skills

Reporting and Analytics

* R, Python(Pandas & scikit) , Mathlab / Octave
* BI & Data Discovery: Qlikview, Tableau, Pentaho
* Rapid miner (data mining / modeling)

Databases

* SQL & Relational:MySQL, IBM DB2, MS SQL Server, PostgresSQL, SAP HANA
* Non-relational: Key-value store (Redis, couchDB, mongoDB), Graph (Neo4J)

Big Data

* Hadoop (HDFS, HBase, Apache Pig, Hive) on Cloudera and Hortonworks platforms.
* Azure HD Insights.
* Map Reduce
* Apache Spark
* Messaging: Apache Kafka, IBM MQ, rabbit MQ
* ETL / Data Integration : Talend Open Studio for Big Data, Pentaho Kettle

Incident and event processing

* Incident processing: IBM Netcool, HP NNMi, Splunk
* Complex event processing: Aleri (coral 8) CEP