Marcos Hernando

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Skills

ETL processes design and development • Data management • Reporting & visualization • SQL • Data warehouse • Oracle • C# • SAS • Python • R • Pyspark • Genomic Databases
Business of expertise: Healthcare/Pharmaceuticals, Banking and e-Commerce.

Formal Education

- **Data Science and Big Data post-graduate course.** June 2015. University of Barcelona. Faculty of Mathematics. Descriptive & Bayesian statistics, Recommenders, Graph analysis, classification methods and Machine learning Using python.

- **Degree in chemistry**. February 2005. University of Barcelona

Experience

Data Engineer (Freelance)
Santander Consumer Technology Services GmbH (Mönchengladbach)
June 2022 –
ETL process development and maintenance using Oracle PL/SQL:

Technologies: Oracle PL/SQL, Control M, Bash scripting

SAS Consultant
AzertiumIt for Endesa
June 2019 – June 2022
Member of Process Efficiency department.
Project COSMOS: CRM migration from Oracle Siebel to Salesforce:
- Information gathering and functional analysis from different departments to generate process documentation.
- Data reporting with SAS, Python (Pandas, Numpy libraries, etc…), SQL Redshift on AWS
- Data analysis, KPI creation, Statistics to improve key processes improvement.
Technologies: SAS, Python, AWS, Redshift

ETL Developer
eDreams
August 2018 – April 2019 (8 months)
ETL processes development and maintenance using Oracle ODI, Oracle PL/SQL and python:
- Testing: Unit, Integration and regression tests
- Creation of Basic reports in MicroStrategy
Technologies: Oracle ODI, Oracle PL/SQL and python

SAS Developer
Digital Training for Bank of Sabadell
May 2017 – July 2018 (1 year 2 months)
Using SAS to develop code for the computation of solvency ratios (EAD, LGD, PD etc...) for the department of internal Auditory.
Technologies: SAS Guide 9.2

Oracle Developer
Bapsys for INDRA
November 2016 – May 2017 (6 months)
Software development in different projects and customers: PEPSIco and DANONE.
- Creation and maintenance of processes in Oracle PL/SQL and Unix Scripting
- Basic maintenance of Microstrategy reports
Technologies : Unix Scripting, Oracle PL/SQL, MicroStrategy

Oracle Developer
Optimissa for Bank of Sabadell
November 2015 - November 2016 (12 months)
Design software processes to estimate new risk and capital requirements according with the new IFRS9 and NIC39 regulation.
- Languages: Oracle PL/SQL and SAS
- Design and/or re-design of ETL processes to improve data load and calculations performance.
Technologies : Oracle PL/SQL., SAS

Business intelligence Developer at ESBRINA
Freelance
September 2015 - October 2015 (2 months)
ETL process maintenance
Technologies: SQL SERVER 2008, IIS and Visual Studio.

Database Developer
ALTEN for Thomson-Reuters
October 2014 - September 2015 (11 months)
Development of technological projects related with genomic databases.
- Languages: Oracle PL/SQL, Perl and Bash scripting
- Re-design of ETL processes to upload new content of SNP database related with new human genome data: Process improvement and SQL Tuning to speed up data load performance.
- Design of scripts in Oracle pl/sql to perform specific bioinformatics tasks
    Data and process validation.

Oracle Developer
Advanced Technological Knowledge for GFT for Deutsche Bank UK
Mayo de 2013 - October 2014 (1,5 year)
Software development & testing for investment banking products (Customer: DEUTSCHE BANK UK).
Technologies: Oracle PL/SQL 11g, JAVA, Subversion. Working in an Agile environment.

Project MRC (Model Risk Control)

- Regulatory project to create additional controls for the daily P&L (Profits and losses) process.
- Participating in the design and coding of ETL processes in Oracle 11g and Java.
- Test cases design with ALM with Hewlett Packard
- Maintenance and update of Business requirements documentation.
- User Training.
- Using JIRA as project Management tool under Agile methodology.

Software Developer
AIS
October de 2011 - December 2012 (1 year 2 months)

Datawarehouse project for BBVA (Banco Bilbao Vizcaya Argentaria)
Collaboration in a new module creation (payments) for the Mexican branch
- Database design using Erwin
- ETL process development in PL\SQL and VBA (Excel)
- Reporting with Oracle Discoverer

BMP Project
Customer selection in Marketing campaigns:
- Adapting SAS code into PL/SQL and C# (.NET)
- Software development in PL/SQL and C# (.NET)
Technologies: Oracle PL/SQL, C#

Software Developer
KEAPPS for INDRA for CAIXABANK
May 2011 - July 2011 (3 months)
Report modification to adapt it to new banking regulation (Basel III).
Technologies: Visual Basic for Applications (VBA)

IS Business Process Manager Technician (R&D Pharma) at
Abast for Almirall Laboratories
March 2006 - March 2010 (4 years)
Depending on the Senior Business Manager, the main tasks were the following:

Functional area tasks:
- Analysis of need, user requirements gathering and solution proposal
- Liaising between users and IT department.
- Solid knowledge of the investigation and drug development processes
- Collaborating with software partners to improve the functionalities of the existing programs.
- Life cycle management of the existing software.

Technical area tasks:
- Programming in PL-SQL, Java and Visual Basic 6.0
- Design and deployment of ETL processes.
- Data management: Cleaning and alignment between different databases.
- Technical management of clinical databases and biochemical tests.
- Creation of data entry templates in Excel.

Quality Control Laboratory Manager at Boehringer Ingelheim
September 2004 - February 2006 (1 year 6 months)
Under the Head of Laboratory supervision, the main tasks are listed below:
- Supervision of laboratory results (performed by approx. 10 people using HPLC, IR, UV, Karl-Fisher, etc...)
- Management of procedures for quality assurance in the laboratory.
- System and laboratory devices validation under rules GMP and FDA 21 CFR.
- User requirements taking to create or improve technological laboratory processes.
- Creation of an automated system (Excel) for reporting and data entry.
- Laboratory devices management (installation, maintenance and user training)

Languages

English: Advanced. Fluent in working environments
French: Basic competence (A1 passed on May 2019)
Spanish: Native
Catalan: Native

Certifications

Oracle Database SQL Expert. Oracle University. April 2014

Oracle Database 11g: SQL Fundamentals I. Oracle University. January 2013

Courses

Big Data/Statitistics
Spark and Python with PySpark on AWS. Udemy, September 2021
Introduction to SAS system (Enterprise Guide). Universitat Autònoma of Barcelona Nov. 2015
Statistical techniques with SAS. Universitat Autonoma de Barcelona. Faculty of statistics. Nov. 2015
Data management, programming and graphics with R. University of Barcelona. Faculty of Biology. June 2015

Business Intelligence
Dashboards and Data Discovery with MicroStrategy. Feb 2017
Advanced Reporting with MicroStrategy. Feb 2017
MicroStrategy Enterprise Applications. Feb 2017

Programming Languages
Oracle PL/SQL. 40h. ABAST. Barcelona. April 2006
Linux. 60h. Institut Software aplicat. Barcelona. May 2005
Visual Basic 6.0/Access/SQL / ASP. 60h. Formasec. Barcelona. June 2002
COBOL. 40h. Auseba. Barcelona. January 2001