PEDRO NEVADO RAJA

Tf.: (34) 615201910

E-mail: pedro@didekin.es

https://github.com/didekin, https://github.com/didekin/didekin.github.io

WORK EXPERIENCE

Business analyst (freelance) in the design/development of Dynamic Discounting, the new supply chain finance facility of Banco Santander. [Sept. 2022 - January 2024]

- ➡ Definition of requirements in close relationship with the application stakeholders.
- ➡ Detailed documentation of the analysis in user stories and tests scenarios.
- ➡ Technical analysis and support to the development team.
- ➡ Design of integration interfaces (Swagger API) with other applications (Confirming BS portal)
- ➡ Design of test plans for external integration APIs.
- ➡ Coding of automated integration tests in Java and Python.
- ➡ Design of the application's accounting events and double-entries in T-accounts.
- ➡ Technological environment: Spring-boot, Postgres, Kafka, DynamoDB; on AWS.
- ➡ Scrum methodology with JIRA.

Data analyst (freelance) for loyalty and motivation programs, and for marketing and communication strategies, at Grupo Leben. [Nov. 2018 - August 2022]

- ➡ Design and development of a multi-client platform to implement A/B tests of promotional messages.
- ➡ Various data science projects for clients in the telecommunications, tourism, automotive and retail sectors.
- ➡ Business areas: loyalty and motivation programs, promotional strategies and communication analysis (live-chats, email, portals).
- ➡ Technological environment: Julia, Java, R, AWS RDS, AWS Lightsail, Azure Text Analytics, Swagger/JSON API.

Business analyst (CGI) responsible for the design of REPSOL's new payment card for its network of service stations. [July 2012 - June 2014]

- ➡ Definition of requirements in close relationship with the application stakeholders.
- ➡ Documentation in use cases and UML artifacts of business requirements and the integration interfaces with the rest of Repsol's systems.
- ➡ Design of accounting integration in SAP.
- ➡ Analysis and evaluation of payment cards platforms in the European market, with decision metrics.
- ➡ Member of the multinational team Spain-Norway-UK in charge of the entire project.

Project manager (SOPRA-STERIA) in the migration of the corporate loan portfolio from Royal Bank of Scotland to Banco Santander. [January 2012 - June 2012]

- ➡ Delivery of the software solution within the time and quality constraints established for the project.

[January 2007 - November 2011 (OESÍA)]:

- **Technical lead** in the design, development and implementation of the new ICO banking core in Java: Accounts, Loans and Intermediation modules.

- **Project manager** in the analysis, development and implementation of the application for subsidized mortgage loans of the ICF (Catalan Institute of Finance).

- **Technical lead** in the migration (Oracle/PL -> Java) of the tax management of derivative products in Renta4.

  - ➡ Analysis of the taxation regulation for derivatives in the Spanish market.
  - ➡ Specification of the technical implementation of the taxation requirements, in a Java platform.
  - ➡ Software implementation.

Java architect (freelance) for the integration of SGIE with the rest of Correos systems, with JMS/XML architecture. [Dec. 2005 - January 2007]

Product manager (Banco Santander) in charge of the renewal of Banco Santander's payment portfolio: launch of new credit cards for individuals, SMEs and large companies. [April 1996 - June 2000]

START-UPS
Promoter and developer of Dídekin [March 2015 - June 2018]
Founding partner of Lonja Financiera/Lonja Soluciones [July 2000 - December 2005]

EDUCATION

- ✶ Master of Science in Economics, University of York
  - Master thesis: *An essay in naive econometrics: an estimation of a system of simultaneous equations.*

- ✶ M.B.A., IE Business School

- ✶ Degree in Sociology, Universidad Complutense
  - Two months stage in The Summer School for Social Science Data Analysis, University of Essex.

TECHNICAL SKILLS

- ✶ Programming languages: Python (2 years), Java (8 years), Julia (2 years) and SQL (MySql, PostgreSql, Sqlite; +7 years).
- ✶ Data analysis methods (+4 years): linear and logistic regression, K-clusters, association rules, decision trees and random forests, XGBoost, NLP (wordToVec, SVD, Azure Text Analytics).
- ✶ Tools:
  - JIRA and Confluence, with Scrum methodology.
  - PyCharm and IntellijIDEA, for Python and Java; VSC for Julia.
  - Swagger for JSON API design.

LANGUAGE SKILLS

- ✶ Good written and spoken English.
- ✶ Good written and basic spoken French.

MOOCS (with certificate)

* *Python: Des fondamentaux aux concepts avancés du langage,* Université Côte d'Azur et Inria.
* *The Data Scientist's Toolbox, Getting and Cleaning Data, Exploratory Data Analysis, Statistical Inference, R programming,* by Johns Hopkins University, Coursera.
* *Machine learning,* by Stanford University, Coursera.
* *Android Development Fundamentals*, University of Washington.
* *Programming Mobile Applications for Android Handheld Systems*, Coursera.

Publications and events

* (Speaker) *Learning from Data in a Budget Constraint Environment*, IMA Europe 2023
  * ➡ https://twitter.com/IMAEurope/status/1641093886276673538
  * ➡ https://github.com/didekin/didekin.github.io/blob/master/publications/Low-Cost%20Data%20Science%20-%20Pedro%20Nevado%20Raja.pdf
* *Algunos proyectos en ciencia de datos*, Leben, 2022
  * ➡ https://github.com/didekin/didekin.github.io/blob/master/publications/monografia_lebendata_2022_1.pdf
* *Marketing de conducción autónoma*, Leben, 2021
  * ➡ https://grupoleben.com/libro-marketing-conduccion-autonoma-uso-datos.php