

PEDRO NEVADO RAJA

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

WORK EXPERIENCE

Business analyst in the design/development of Dynamic Discounting, the new supply chain finance facility of Banco Santander. [17 months: 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 for loyalty and motivation programs, and for marketing and communication strategies, at Grupo Leben. [46 months: 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 responsible for the design of REPSOL's new payment card for its network of service stations. [24 months: 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 in the migration of the corporate loan portfolio from Royal Bank of Scotland to Banco Santander. [6 months: January 2012 - June 2012]

From January 2007 - November 2011:

- * **Project manager** in the design, development and implementation of the new ICO banking core in Java: Accounts, Loans and Intermediation modules. [42 months]
- * **Project manager** in the analysis, development and implementation of the application for subsidized mortgage loans of the ICF (Catalan Institute of Finance). [8 months]
- * **Analyst/project manager** in the migration (Oracle/PL -> Java) of the tax management of derivative products in Renta 4. [5 months]

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

Product manager in charge of the renewal of Banco Santander's payment portfolio: launch of new credit cards for individuals, SMEs and large companies. [50 months: 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, Java, Julia and SQL (MySQL, PostgreSQL, Sqlite).
- * Data analysis methods: 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>

SUMMARY

- Experience in business analysis: certainly more than fifteen years.
- Experience in projects with implications in taxes:
 - Billing and VAT related: about five years, mainly in projects such as purchasing cards or reverse factoring.
 - Capital gains: about one year, mainly with derivatives taxation.
 - Corporate taxes: about four years, mainly as managing partner of three companies.
- Experience in SQL: more than seven years, both in the roles of data model designer and data consumer.