



# Bernardo Di Chiara

## Business Data Analyst / Data Engineer

dichiarabernardo@gmail.com

Passionate about Statistics and Data Analysis. Able to handle large amount of data.

20 years' experience in dealing with customer requirements, recent computer programming experience.

Strong logical and analytical skills, critical thinker with attention to details, excellent documentation skills.

### Professional Skills

- Data Analysis Techniques (Data Cleansing, Data Preparation, Data Visualization), Machine Learning (Classification & Regression), Data Pipelines
- Statistics (Exploratory and Inferential Data Analysis)
- Databases and Data Warehouses: SQL, Hadoop, MapReduce, Spark
- Computer programming (SW development)
- Requirement Management
- Product/Feature/System Specifications
- Acceptance Test Cases Definition and Execution
- Best Practices' Development, Agile approach
- Coaching and Consulting, Leading Functional Teams
- Product Management

### Professional Achievements

- Being used several times as a model when developing internal practices related to requirement analysis
- Being acknowledged several times by colleagues for having added quality to internal and external product documentation
- Having received very good feedback (5,6/6) from the attendants to competence transfer sessions
- Having affected the decision of major customers to buy our solution
- Being ranked as Exceptional in the Yearly Performance Evaluation several times
- Receiving Achievement Award from the Product Line for the outstanding job

### Personal Skills

- Self-steering
- Critical thinking
- Analytic approach
- Accurate and keen on quality

### Language Skills

- Italian (native language)
- English (fluently)
- Finnish (good knowledge)

### Computer Skills

- Operating systems: Windows 10 and previous versions, Linux, Android
- Languages: Python (including Pandas, Matplotlib and Sklearn), R, SQL, HTML
- Cloud computing: Amazon Web Services
- Data analysis & engineering SW: MySQL Workbench, SQL Server Management Studio, Timescale, Jupyter Notebook, RStudio, Power BI, Qlik Sense, Grafana, Apache NiFi, Qlik Replicate & Compose, TimeXtender, KNIME
- Web frameworks (Django, Flask); Containers (Docker); Security (Bitwise SSH Client); CADs (MS Visio); Concurrent SW projects (GitLab, Wiki); Common Office Apps (Word, PowerPoint, Excel, Outlook, Thunderbird)

### References



*"Bernardo is a hard-working and task-oriented self-starter. He has a track record of delivering results*

*in time and with high quality"* Antti Pikkusaari, Management Consultant at Aedon Oy & at Taival



*"Very seldom I have seen such a WoW factor when it comes to the performance of an*

*individual. His skills in data engineering are impressive, including excellent technical knowhow in Python, MySQL, AWS, and other modern technologies."* Esa Vepsäläinen, CTO, Optiwatti



*"A combination of customer understanding, technical expertise and co-operation skills makes Bernardo very valuable*

*and pleasant to work with"* Tuija Hurttä, Product Manager at Nokia



*"He is able to understand and analyze wide and complex topics"* Seppo Huotari, Manager at Nokia

## Work History

Current Position

**Data Management Consultant** Pengon

- Ramping up data integration services in order to expand the company's business
- Providing consultancy services for customers to build and optimize their data warehouse (Apache NiFi, Qlik Replicate & Compose, SQL Server Management Studio)
- Designing a solution for Time Series data based on Timescale and Grafana
- Supporting customers' tender processes
- Performing tools' evaluation

Dec 2018 – Mar 2020

**System Developer** Optiwatti

- Handling large databases with hundreds of gigabytes and being responsible of data engineering tasks as databases' re-organization and data migration
- Exploratory Data Analysis (pandas, matplotlib)
- SW development: requirements' collection, SW design, coding, testing, documentation (MySQL, Python, Django framework, Amazon Web Services, Linux)

May 2017 - Nov 2018

**Improving my Data Analytics Skills** [\(see my portfolio\)](#)

- Data Retrieval, Data Cleansing, Data Preparation, Data Visualization; Data Pipelines
- Programming in R and Python; Supervised and Unsupervised Machine Learning
- Statistics: Exploratory & Inferential Data Analysis
- Databases: SQL, Hadoop, MapReduce, Spark
- User Experience Research Methods

Jan 2010 - Dec 2016

**Senior System Architect** Nokia

- Leading functional teams and being responsible of creating and maintaining several feasibility studies and requirement specifications by using Agile approach
- Defining acceptance test scenarios together with test engineers
- Maintaining Statements of Compliance for several features and interfaces
- Supervising Master Thesis works (coaching)

May 2009 - Dec 2009

**Sabbatical**

Apr 2007 - Apr 2009

**Product Planning Manager** Nokia Siemens Networks

- Defining the content of a new product by coordinating the work of a group of people and by actively participating in the specification
- Defining best practices and customizing a new requirement handling tool
- Facilitating the maintenance of the Road Map of different products

Mar 2004 - Mar 2007

**Senior Solution Manager** Nokia Networks

- Providing consulting work and designing customized solutions with major global customers by specifying new features and integrating with third party products
- Running internal competence transfer sessions to Marketing and to Engineers

Mar 2003 - Feb 2004

**Network Architect** Nokia Networks

- Being responsible for the specification of key functionality in system releases composed of several products (defining and documenting the requirements)

Apr 2000- Feb 2003

**System Product Manager**

Nokia Networks

- Collecting requirements from customers and giving input to Development regarding several end-to-end functionalities
- Creating and maintaining contacts with other Business Units in order to coordinate release contents and schedules and in order to support marketing activities
- Creating communication slide sets for internal and external purposes
- Contributing to the creation of product related marketing material (including Road Maps, Product Descriptions and Feature Descriptions)

Nov 1997 - Mar 2000

**Senior System Engineer**

Nokia Networks

- Being responsible of several front end and back-end requirement specification projects (requirement specifications, feasibility studies, implementation specific.)
- Participating in Standardization as a Nokia Main Delegate in 3GPP forum

**Education**

- **Master of Science in Electric Engineering** (110/110 with honor), Palermo's University, Italy
- General Certificate of Education from **High School specializing in scientific studies**, School Don Bosco Villa Ranchibile, Palermo, Italy
- **Data Analytics Courses** (about 1100 hours of study, [see more in my development plan](#)). An excerpt:

Topic	Course	Grade	By	Completion Date
<b>Econometrics</b>	Business Metrics for Data-Driven Companies	100%	Duke University on Coursera	Sep 9 <sup>th</sup> 2020
<b>Statistics</b>	Introduction to Probability and Data (exploratory data analysis in R)	98,7%	Duke University on Coursera	Oct 17 <sup>th</sup> 2017
	Inferential Statistics (in R)	100%		Nov 28 <sup>th</sup> 2017
	Linear Regression and Modeling (in R)	100%		Mar 14 <sup>th</sup> 2018
<b>Python</b>	Introduction to Data Science in Python (data cleansing and manipulation)	100%	University of Michigan on Coursera	Oct 9 <sup>th</sup> 2018
	Applied Plotting, Charting and Data Representation in Python	100%		Nov 6 <sup>th</sup> 2018
	Applied Machine Learning in Python	100%		Feb 19 <sup>th</sup> 2020
	Getting Started with Python	100%		Sep 5 <sup>th</sup> 2018
	Python Data Structures	100%		Sep 11 <sup>th</sup> 2018
	Using Databases with Python	98%		Nov 29 <sup>th</sup> 2018
	Using Python to Access Web Data	100%		Nov 19 <sup>th</sup> 2018
<b>Databases</b>	SQL for Data Science	100%	Univ. of California Davis	May 19 <sup>th</sup> 2018
	Hadoop Platform and Application Framework	100%	Univ. of California, San Diego on Coursera	Jun 29 <sup>th</sup> 2018
<b>R</b>	R Programming	100%	Johns Hopkins University on Coursera	Jan 16 <sup>th</sup> 2018
	Getting and Cleaning Data (in R)	100%		Feb 19 <sup>th</sup> 2018
	Practical Machine Learning (in R)	100%		Apr 13 <sup>th</sup> 2018

- **Self-Management, Leadership and Selling Courses**
  - Boosting Your Leadership Skills (grade: A-) (by Aalto University, Oct 8<sup>th</sup> 2016)
  - Entrepreneurship training (by Nestholma, Jun 21<sup>st</sup> 2016)
  - Focused Mind (Web based course, 2012)
  - Creative Thinking (Web based course, 2003)
  - Presentation Skills (by Delta Training, 1996)
  - Cross Cultural Awareness (by Richard Lewis Communications, 1996)
  - Funnel - Effective Sales Negotiation (by Jorma Kylander Oy, 1996)
- Quite few technical courses in the **telecom** / datacom field (1997 - 2016)

## Other Interests

- Sailing
  - Forming and managing crews as a skipper is an excellent way to maintain team building and leadership skills. Running the boat allows nurturing goal setting and planning skills
- Boat maintenance and reparation work
  - An efficient way to improve problem solving capabilities
- Psychology (a lot of self-reading, including Freud, Goleman, Atkinson & Hilgard's, ...)
  - Increases self-awareness and improves communication skills

## Where to Find More



<http://fi.linkedin.com/in/bernardodichiara>



<https://github.com/BerniHacker/CV/blob/master/README.md> (portfolio and development plan)