# Diego Amicabile

### Data, Machine Learning and Full Stack Engineer

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Experienced Full-Stack Engineer focusing on Machine Learning and Data Engineering.

Over 15 years' experience designing, developing and deploying IT applications.

High competence in understanding customers' needs and requirements.

Successfully as a Software Developer and IT Project Manager in Italy, Germany and Poland.

## **≡** Skills <sup>1</sup>

Programming Languages: Java, Python, Pascal, Javascript, C, PL/SQL, Bash/Shell scripting, HTML/CSS, C++

Data Science: Numpy, Pandas, Matplotlib, Scipy
Machine Learning: Scikit-learn, Tensorflow, Keras

Natural Language Processing: Gensim, Spacy, NLTK, Word2Vec, Tfidf, Textacy

Streaming: Spark, Kafka

Java Frameworks: Swing, Struts, Webwork, Spring MVC, Freemarker, JAX-RS, Spring, Hibernate, EJB, Wicket,

JSF, DWR, Junit, TestNG, Jasperreports, JAXP

Python Frameworks: Requests, Flask, Jinja2, Google App Engine, Scrapy, Beautifulsoup, Jupyter

**Javascript Frameworks : JQuery**, Node.js, Angular.js, D3.js, Express

Databases: Oracle Database, MySQL, Sybase

IDEs: IntelliJ Idea, Eclipse, Pycharm, Webstorm, Vim Development Tools: Anaconda, Git, Maven, SVN, Mercurial, Ant, Pip

Application Servers: Tomcat, Websphere Application Server, JBoss, Oracle Weblogic

Operating systems: Linux Ubuntu, Windows 7, Linux Mint, Windows 8

Project Management: PMP, Scrum, Kanban

**Deployment:** AWS, Docker, Nginx, Apache Web Server

Other: UML, REST/JSON, SOAP/XML, HTTP, Hudson, Jenkins

# Work Experience

### November 2017 August 2017

### Data Scientist, Data Science Retreat, Berlin (Germany)

Studied and practiced Machine Learning, Data Engineering and Data Science skills, using Python:
 > Practised Data Analysis with Numpy, Pandas

- > Tractised Data Anatysis with Numpy, randas
- > Practised Machine Learning with Scipy, Scikit-learn
- > Practised Deep Neural Networks with Tensorflow, Keras
- > Practised Data Pipelines and streaming with Spark, Kafka
- > Practised Data Visualization with Matplotlib, D3.js.
- > Practised Natural Language Processing techniques with Nltk, Spacy, Gensim, Textacy
- > Practised deployment with Docker, AWS, Ubuntu
- ➤ As a portfolio project, I created a web portal aggregating IT articles from different sources relating the same story: www.techcontroversy.com

 Python
 Gensim
 Pandas
 Spacy
 Scikit-learn
 MySql
 Flask
 Jinja2
 AWS

### July 2017 July 2013

#### IT Project Manager, Comarch SA, Cracow (Poland)

Managed the integration of a Personal Financial Management software into the portal of several banks, fulfilling among other the following tasks:

- > Deployment, integration and customization of the software
- > Configuration and integration of the categorization engine
- > Management of the development of features
- > Management of the development of APIs
- > Deployment of APIs interfacing to the banks' applications
- > Requirements analysis and definition

Java J2EE | Spring | Hibernate | Websphere | Freemarker | Javascript | Angular.js | Python | REST/JSON |

### June 2013 January 2010

### Senior Developer, Pentasys AG, München (Germany)

Developed applications based on Java, J2EE technologies and Javascript:

- > Developed several mobile web applications in the mobile portal of a mobile network operator
- > Enhanced and refactorized an existing application used by an automotive company for the management of the configuration of trucks
- > Enhanced the shop and the contract management components of the web portal of a mobile network

Java | Spring | Wicket | EJB | Struts | Jboss | Tomcat | Maven | Javascript | JQuery | Node.js | JAX-RS | JAXP |

### December 2009 October 2005

### Senior Developer, Saxonia Systems AG, München (Germany)

Developed and enhanced several modules of an ERP application for drugstores

- > Developed the Invoices Module
- > Developed the Price Marking Module
- > Developed the Optimization Rollut Module
- > Enhanced the Reporting Module
- > Enhanced the Procurement Module
- > Enhanced the Update Manager Module

Java J2EE EJB Swing JBoss Spring Sybase Ant

# September 2005

### Junior Developer, Arvato Systems Technologies, München (Germany)

April 2000 Developed and deployed several web applications in the intranet of a consulting company.

Java J2EE Oracle DB JDBC Struts Oracle Application Server Javascript

### March 2000

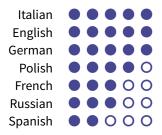
#### Junior Developer, Icon srl, Verona (Italy)

June 1999

Enhanced an applet used for the inventorization of devices of a mobile network operator.

Java J2EE Oracle JDBC Struts

# Languages



# Personal projects

- > www.techcontroversy.com Aggregates IT articles from different sources relating the same story.
- > www.chessella.com To browse and share commented chess games.
- > \( \square\) www.amicabile.com/javascript/ Contains sample Javascript applications.
- > **www.blogger.com/profile/08250256791771374730** My blogs about music videos.



### **Education**

### Master degree in Computer Engineering

Università degli studi di Pavia (Italy) 1993-1998 1991-1993 Università degli studi di Modena (Italy)

### Courses and Certificates

- 2017 Data Science Retreat in Berlin
- 2017 Data camp tracks as Python Programmer, Data Analyst
- 2016 Certified Associate in Project Management (CAPM)
- 2015 PMP Academy Course
- Certified Scrum Master 2012
- 2007 Oracle Certified Enterprise Architect
- 2007 Oracle Certified Programmer
- 2005 Oracle Certified Java Developer
- 2005 Oracle Certified Business Component Developer
- 2004 Oracle Certified Web Application Developer