

# Diego Amicabile

## Data, Machine Learning and Full Stack Engineer

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**📍** Open to relocation **📅** Available from January 2018



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 :	<b>Java, Python, Pascal</b> , Javascript, C, PL/SQL, Bash/Shell scripting, HTML/CSS, C++
Data Science :	<b>Numpy, Pandas</b> , Matplotlib, Scipy
Machine Learning :	<b>Scikit-learn</b> , Tensorflow, Keras
Natural Language Processing :	<b>Gensim, Spacy, NLTK, Word2Vec, Tfidf</b> , Textacy
Streaming :	Spark, Kafka
Java Frameworks :	<b>Swing, Struts, Webwork, Spring MVC, Freemarker, JAX-RS</b> , Spring, Hibernate, EJB, Wicket, JSF, DWR, Junit, TestNG, Jasperreports, JAXP
Python Frameworks :	<b>Requests, Flask, Jinja2, Google App Engine, Scrappy, BeautifulSoup</b> , Jupyter
Javascript Frameworks :	<b>JQuery</b> , Node.js, Angular.js, D3.js, Express
Databases :	<b>Oracle Database, MySQL</b> , Sybase
IDEs :	<b>IntelliJ Idea, Eclipse, Pycharm, Webstorm</b> , Vim
Development Tools :	<b>Anaconda, Git</b> , Maven, SVN, Mercurial, Ant, Pip
Application Servers :	<b>Tomcat, Websphere Application Server</b> , JBoss, Oracle Weblogic
Operating systems :	<b>Linux Ubuntu, Windows 7</b> , Linux Mint, Windows 8
Project Management :	<b>PMP, Scrum</b> , Kanban
Deployment :	<b>AWS</b> , Docker, Nginx, Apache Web Server
Other :	<b>UML, REST/JSON</b> , SOAP/XML, HTTP, Hudson, Jenkins

## Work Experience

November 2017	<b>Data Scientist, Data Science Retreat, Berlin (Germany)</b>
August 2017	Studied and practiced Machine Learning, Data Engineering and Data Science skills, using Python : <ul style="list-style-type: none"><li>➤ Practised Data Analysis with Numpy, Pandas</li><li>➤ Practised Machine Learning with Scipy, Scikit-learn</li><li>➤ Practised Deep Neural Networks with Tensorflow, Keras</li><li>➤ Practised Data Pipelines and streaming with Spark, Kafka</li><li>➤ Practised Data Visualization with Matplotlib, D3.js.</li><li>➤ Practised Natural Language Processing techniques with Nltk, Spacy, Gensim, Textacy</li><li>➤ Practised deployment with Docker, AWS, Ubuntu</li><li>➤ As a portfolio project, I created a web portal aggregating IT articles from different sources relating the same story : <a href="http://www.techcontroversy.com">www.techcontroversy.com</a></li></ul> <div><span>Python</span> <span>Gensim</span> <span>Pandas</span> <span>Spacy</span> <span>Scikit-learn</span> <span>MySQL</span> <span>Flask</span> <span>Jinja2</span> <span>AWS</span></div>
July 2017	<b>IT Project Manager, Comarch SA, Cracow (Poland)</b>
July 2013	Managed the integration of a Personal Financial Management software into the portal of several banks, fulfilling among other the following tasks : <ul style="list-style-type: none"><li>➤ Deployment, integration and customization of the software</li><li>➤ Configuration and integration of the categorization engine</li><li>➤ Management of the development of features</li><li>➤ Management of the development of APIs</li><li>➤ Deployment of APIs interfacing to the banks' applications</li><li>➤ Requirements analysis and definition</li></ul> <div><span>Java</span> <span>J2EE</span> <span>Spring</span> <span>Hibernate</span> <span>Websphere</span> <span>Freemarker</span> <span>Javascript</span> <span>Angular.js</span> <span>Python</span> <span>REST/JSON</span></div>

1. Advanced skills in bold

June 2013 January 2010	<b>Senior Developer, Pentasys AG, München (Germany)</b> Developed applications based on Java, J2EE technologies and Javascript : <ul style="list-style-type: none"> <li>› Developed several mobile web applications in the mobile portal of a mobile network operator</li> <li>› Enhanced and refactorized an existing application used by an automotive company for the management of the configuration of trucks</li> <li>› Enhanced the shop and the contract management components of the web portal of a mobile network operator</li> </ul> <div>             Java Spring Wicket EJB Struts Jboss Tomcat Maven Javascript JQuery Node.js JAX-RS JAXP           </div>
December 2009 October 2005	<b>Senior Developer, Saxonia Systems AG, München (Germany)</b> Developed and enhanced several modules of an ERP application for drugstores <ul style="list-style-type: none"> <li>› Developed the Invoices Module</li> <li>› Developed the Price Marking Module</li> <li>› Developed the Optimization Rollut Module</li> <li>› Enhanced the Reporting Module</li> <li>› Enhanced the Procurement Module</li> <li>› Enhanced the Update Manager Module</li> </ul> <div>             Java J2EE EJB Swing JBoss Spring Sybase Ant           </div>
September 2005 April 2000	<b>Junior Developer, Arvato Systems Technologies, München (Germany)</b> Developed and deployed several web applications in the intranet of a consulting company. <div>             Java J2EE Oracle DB JDBC Struts Oracle Application Server Javascript           </div>
March 2000 June 1999	<b>Junior Developer, Icon srl, Verona (Italy)</b> Enhanced an applet used for the inventarization of devices of a mobile network operator. <div>             Java J2EE Oracle JDBC Struts           </div>

🌐 Languages

Italian	●	●	●	●	●
English	●	●	●	●	●
German	●	●	●	●	●
Polish	●	●	●	●	○
French	●	●	●	○	○
Russian	●	●	●	○	○
Spanish	●	●	○	○	○

+ Personal projects

- › 🖥️ [www.techcontroversy.com](http://www.techcontroversy.com)  
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To browse and share commented chess games.
- › 🖥️ [www.amicabile.com/javascript/](http://www.amicabile.com/javascript/)  
Contains sample Javascript applications.
- › 🖥️ [www.blogger.com/profile/08250256791771374730](http://www.blogger.com/profile/08250256791771374730)  
My blogs about music videos.

🎓 Education

Master degree in Computer Engineering	1993-1998	Università degli studi di Pavia (Italy)
	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
2012	Certified Scrum Master
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