Diego **Amicabile**
Data, Machine Learning and Full Stack Engineer

in linkedin.com/in/diego-amicabile-378aa53   github.com/diegoami

www.amicabile.com   www.techcontroversy.com   www.chessella.com

+49 01578 6993847   diegoami

@ diego.amicabile@amicabile.com

Berlin

Experienced Full-Stack Engineer focusing on Machine Learning and Natural Language Processing.
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 [1]

Programming Languages :	**Java 8**, **Python 3**, **Pascal**, Bash/Shell scripting, Javascript, C, PL/SQL, HTML/CSS, C++
Data Science/Machine Learning :	**Numpy**, **Pandas**, **Scikit-learn**, Matplotlib, Scipy, Tensorflow, Keras
Natural Language Processing :	**Gensim**, **Spacy**, **NLTK**, **Rasa**, Textacy
Python Frameworks :	**Requests**, **Flask**, **Jinja2**, **Google App Engine**, **Scrapy**, **Beautifulsoup**, Jupyter
Databases :	**Oracle Database**, **MySQL**, **MongoDB**, Redis, PostgresSQL, Sybase
Development Tools :	**Anaconda**, **Git**, **Gitlab**, Maven, SVN, Mercurial, Ant, Pip
Application Servers :	**Tomcat**, **Websphere Application Server**, JBoss, Oracle Weblogic
Operating systems :	**Linux Ubuntu**, **Windows 10**, **Mac OS**, Linux Mint, Windows 7/8
Project Management :	**PMP**, **Scrum**, Kanban
Deployment :	**AWS**, **Docker**, **Nginx**, Terraform, Ansible, Apache Web Server
Other :	**UML**, **REST/JSON**, SOAP/XML, HTTP, Hudson, Jenkins

Work Experience

Now
October 2018

Machine Learning Engineer, Hellofresh, Berlin (Germany)
Brought to production, enhanced and maintained machine learning models, predicting :
> the probability of active customers cancelling their subscription within a certain amount of days
> the probability of customers reactivating their subscriptions, if targeted by a campaign

`Python` `AWS` `Numpy` `Pandas` `Scikit-learn` `Docker` `Airflow` `Hadoop` `Impala`

September 2018
March 2018

Lead Software Developer, Infinitec in Finleap, Berlin (Germany)
Managed the Development of a live-chat software and a chatbot for a financial platform :
> Realization of a Proof of Concept for a machine-learning based chatbot
> Definition of an architecture for a rule-based chatbot
> Creation of a NLP pipeline for processing conversations
> Development of user interface and endpoints to manage rules
> Developed the Auditing Layer of the Platform

`Microservices` `Docker` `AWS` `Gitlab` `Python` `Spacy` `Rasa-NLU` `Java 8` `Spring Boot` `Dropwizard` `Javascript` `Node.js` `React` `MongoDB` `Redis`

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 and Visualization with Numpy, Pandas, Matplotlib, D3.js
> Practised Machine Learning and Neural Network with Scipy, Scikit-learn, Tensorflow, Keras
> Practised Data Pipelines and streaming with Spark, Kafka
> Practised Natural Language Processing techniques with Nltk, Spacy, Gensim, Textacy
> Practised deployment with Docker, AWS, Ubuntu
> As a portfolio project, 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`

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1. Advanced skills in bold

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 : › Requirements analysis and definition › Deployment, integration and customization of the standard software and APIs › Configuration and integration of the categorization engine › Management of the development of features and APIs `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 mobile web applications in the mobile portal of a mobile network operator › Maintained and enhanced extended an application for the management of the configuration of trucks › Maintained and enhanced several modules in the web portal of a mobile network operator `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 `Java` `J2EE` `EJB` `Swing` `JBoss` `Spring` `Sybase` `Ant`
September 2005 April 2000	**Junior Developer, Arvato Systems Technologies, München (Germany)** 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 June 1999	**Junior Developer, Icon srl, Verona (Italy)** Enhanced an applet used for the inventorization of devices of a mobile network operator. `Java` `J2EE` `Oracle` `JDBC` `Swing`

🌐 Languages

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

✚ Personal projects

› 🖥 www.techcontroversy.com
Aggregates IT articles relating the same story.
› 🖥 www.chessella.com
To browse and share commented chess games.
› 🖥 www.faqportal.de
Search over a database of FAQ.
› 🖥 www.europoplyrics.com
Pop Music videos in European language with subtitles

🎓 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
2012-2017	Certified Scrum Master, PMP Academy Course, Certified Associate in Project Management (CAPM)
2004-2007	Oracle Certified Programmer, Java Developer, Component Developer, Web Application Developer, Enterprise Architect