

Diego Amicabile

Data, Machine Learning and Full Stack Engineer

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📍 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.

Skills¹

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
Java Frameworks :	Swing, Struts, Webwork, Spring MVC, Freemarker , JAX-RS, Spring, Dropwizard, Spring Boot, Hibernate, EJB, Wicket, JSF, DWR, Junit, TestNG, Jasperreports, JAXP
Python Frameworks :	Requests, Flask, Jinja2, Google App Engine, Scrapy, BeautifulSoup , Jupyter
Javascript Frameworks :	JQuery, React, Node.js , Angular.js, D3.js, Express
Databases :	Oracle Database, MySQL, MongoDB , Redis, PostgreSQL, Sybase
IDEs :	IntelliJ Idea, Eclipse, Pycharm, Webstorm , Vim
Development Tools :	Anaconda, Git, Gitlab , Maven, SVN, Mercurial, Ant, Pip
Application Servers :	Tomcat, Websphere Application Server , JBoss, Oracle Weblogic
Operating systems :	Linux Ubuntu, Windows 7, Mac OS , Linux Mint, Windows 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	Machine Learning Engineer, Hellofresh, Berlin (Germany)
October 2018	Brought to production, enhanced and maintained machine learning models, predicting : <ul style="list-style-type: none">> 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 <div>Python AWS Numpy Pandas Scikit-learn Docker Airflow Hadoop Impala</div>
September 2018	Lead Software Developer, Infinitic in Finleap, Berlin (Germany)
March 2018	Managed the Development of a live-chat software and a chatbot for a financial platform : <ul style="list-style-type: none">> 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 <div>Microservices Docker AWS Gitlab Python Spacy Rasa-NLU Java 8 Spring Boot Dropwizard Javascript Node.js React MongoDB Redis</div>

1. Advanced skills in bold

November 2017 August 2017	Data Scientist, Data Science Retreat, Berlin (Germany) Studied and practiced Machine Learning, Data Engineering and Data Science skills, using Python : <ul style="list-style-type: none"> › Practised Data Analysis with Numpy, Pandas › 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 <div> Python Gensim Pandas Spacy Scikit-learn MySQL Flask Jinja2 AWS </div>
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 : <ul style="list-style-type: none"> › 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 <div> Java J2EE Spring Hibernate Websphere Freemarker Javascript Angular.js Python REST/JSON </div>
June 2013 January 2010	Senior Developer, Pentasys AG, München (Germany) Developed applications based on Java, J2EE technologies and Javascript : <ul style="list-style-type: none"> › 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 operator <div> Java Spring Wicket EJB Struts Jboss Tomcat Maven Javascript JQuery Node.js JAX-RS JAXP </div>
December 2009 October 2005	Senior Developer, Saxonia Systems AG, München (Germany) Developed and enhanced several modules of an ERP application for drugstores <ul style="list-style-type: none"> › 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 <div> Java J2EE EJB Swing JBoss Spring Sybase Ant </div>
September 2005 April 2000	Junior Developer, Arvato Systems Technologies, München (Germany) 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	Junior Developer, Icon srl, Verona (Italy) Enhanced an applet used for the inventorization of devices of a mobile network operator. <div> Java J2EE Oracle JDBC Swing </div>

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.amicabile.com/javascript/
Contains sample Javascript applications.

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