

Curriculum Vitae

Personal information

First name(s) / Surname(s) **Simone Valentini**
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E-mail: **simone_valentini@hotmail.com**
Date of birth September/1970

Work experience

	Dates	
Position company place activity sector	January 2017 →	Data Scientist, Nokia Italy , Vimercate (MI), consulting/pre-sales, telecom
Main activities and responsibilities		Mobile networks machine learning algorithm development for kpi and alarm prediction. Automatic performance control. Network data collection and elaboration for telecommunication service delivery innovation. Live network segmentation. Correlation between performances and node configurations. I developed python sw/algorithms working with accuracy and precision at about 90% also with more than 800 classes for predicting future alarms on a live 4g/5g network. These sw are operative on live linux systems. I daily use python on linux and machine learning algorithms (neural networks, trees, random forests, GLM, naive Bayes, SVM, boosting, Markov chain, gaussian mixtures, k-means, PCA).
Position company place activity sector	October 2015 → December 2016	Innovative Service Solution Architect, Nokia Italy , Vimercate (MI), consulting/pre-sales, telecom
Main activities and responsibilities		Consulting, developing and sales support for 4G and 5G mobile networks innovative services: intelligent analytics, machine learning predictive repair/configuration/optimization, extreme automation/robotics, virtualization, digital knowledge network assistant, big data driven innovation.
Position company place activity sector	May 2007 → September 2015	Technical Consultant, Nokia Siemens , Milan, consulting, telecom
Main activities and responsibilities		Project management, consulting and pre-sales technical support for mobile telecommunication networks (LTE, UMTS, GSM, WiMax). Mobile networks modernization in terms of architecture, services and features. Costs and human resources management , planning and customer interface in all the projects phases. Consulting activities on architecture, planning and new service aspects.
Position company place activity sector	November 2003 – May 2007	Service Delivery Project Manager, Nokia Italy , Cassina (MI), project management, telecom
Main activities and responsibilities		Mobile telecommunication networks presales and delivery project management for the south Europe (UMTS, GSM). Costs, time, human resources management and customer interface for new products and services. Leadership experience in international contexts.
Position company place activity sector	June 2003 – November 2003 (during the Master, on a study leave of absence from Nokia Italy)	Business Consultant, Between , Milan, consulting, Strategic Consulting
Main activities and responsibilities		Construction of a complete business plan about the delivering of innovative services, using the counters network of a bank, to Italian SMEs. The project has been implemented by an Italian bank.
Position company place activity sector	February 2001 – November 2002 (Nov. 2002 – Nov. 2003 Innovation Master absence leave)	Senior Technical Engineer, Nokia Italy , Cassina (MI), technical support, telecom
Main activities and responsibilities		Presales technical support for radio mobile networks. New hardware and software testing and verification , acceptance and implementation (GPRS and UMTS). Planning and customer interface activities for new features and services network implementation.
Position company place activity sector	August 1999 – February 2001	Software Engineer, Siemens ICN , Settimo Milanese (MI), R&D software development, telecom
Main activities and responsibilities		Designing, developing and testing real time embedded software for GPRS and UMTS projects (C, assembly on Sun Solaris/OS and Linux. Coordination of three software engineer and responsible of an entire software functional area.
Position company place activity sector	June 1998 – August 1999	E-commerce Analyst, Context System Group , Magenta (MI), sw development, e-commerce
Main activities and responsibilities		C++ and Java programming , testing and specifications writing for digital sign.

Education and training

Dates	April / 2014
Title of qualification awarded	ITIL Foundation Certification, ID: 02860026-01-PX44
Name and type of organisation	APMG International
Dates	October / 2013
Title of qualification awarded	Energy Performance Building Certification (EPBD 2010/31/CE for Lombardia Region)
Name and type of organisation	Cefriel / CENED for Italy's Lombardia region
Dates	January/2007
Title of qualification awarded	Project Management Professional (PMP) , certification ID: 449965
Name and type of organisation, level	Project Management Institute, Washington (USA), Principal Project Management certification
Dates	November/2002 – October/2003
Title of qualification awarded	Master in Innovation Management , one full time year MBA with focus on innovation
Name and type of organisation	Scuola Superiore S. Anna of Pisa
Dates	January/1990 - June/1997
Title of qualification awarded, level	M.S. degree in Electronic Engineering , Master degree 5 years' course
Name and type of organisation	University of Padova, Italy
Dates	1999 –2020
Title of qualification awarded	Company professional trainings (Siemens and Nokia) of which more than 300 with certificate
Principal subjects/skills covered	A total of more than 90 weeks from 1999 to 2021, among the most significant and recent: Certifications: Python, Java, C++, C, Analytics ; Nokia NCSS and NCSA GS Analytics; Deep Learning and Neural Networks, Applied Machine Learning, Python for data science, Deep learning (Boston University); Machine learning (Stanford); Artificial intelligence (MIT); Neural Networks, Big Data business and technology; 5G Courses; Data Visualization; Docker, Cloud Computing; Android Studio; Java; MATLAB; Python; R; Linux Programming and Admin; Linux Kernel; ITIL Foundation; LTE Certifications; IP Certification; Negotiation; Psychology of Leadership (Harvard); Start up and Enterprise creation; Leadership code; Focused Mind; Facing change; Accounting and Finance principles; Creativity and Innovation; Thinking strategically; Communication skills; Information security; TCP/IP architecture; IP advanced; Unix for software design; Software and Test environment.

Publications

Libri	"I sei elementi per una strategia aziendale efficace", 2009, Milan, ISBN 978-1-4092-5412-6 (in Italian)
Articoli	" The Importance of being IT ", <i>Economia Aziendale Online</i> , 2/2008. " Innovative Supply of Services Intended for S.M.E Through Bank Branches ", <i>Economia Aziendale</i> 2000 Web 2-3/2007.

Personal skills and compet.

Mother tongue(s)	Italian
English (*)	Fluent. Certification IELTS, 2006. Proficient user C2 in listening, speaking and writing; C2 in reading.
Social, organisational and cognitive skills and competences	Excellent analysis and synthesis abilities. Great relationship skills acquired during a long customer management and team leading experience. Intelligence Quotient (IQ): 98-99° percentile.
Computer skills and competences	Very good knowledge/experience of Machine Learning, Pattern Recognition, Neural Networks, Deep learning, Big Data, Artificial Intelligence, Statistics, Quality control; Data Visualization, Cloud computing, IoT, NLP, GCP . Excellent skills of C/C++, Java, Python (sklearn, pandas, numpy, matplotlib, tensorflow, keras seaborn, flask, NLTK), MATLAB, R, Anaconda, PyCharm, SQL, Spark, Scala, Zeppelin, Cassandra, Arcadia, Docker, S3, QlikView, network security and Linux (Kali, Ubuntu) . I developed web sites/blogs. Long VMware and VirtualBox experience.

Additional information

Army services accomplished (Bolzano, 1997–1998). Marital status: married, three children. Myers-Briggs type: INTJ. Hobbies: cinema, classical literature, philosophy, chess and football. In the 2013 I presented a business plan accredited by Italian institution "Camera di Commercio" of Milan.

Milan, 17th May 2021

Simone Valentini