Curriculum Vitae

Personal information

First name(s) / Surname(s)	▮▮▮▮▮
Address(es)	▮▮▮▮▮▮▮▮
Telephone(s)	Mobile: +▮▮▮▮▮
E-mail	▮▮▮▮▮▮
Nationality	Italian
Date of birth	▮▮▮▮
Gender	▮▮

Work experience

Dates	2016 to now
Occupation or position held	System Engineer, Cloud Architect, Researcher in Cloud Computing CSI Piemonte - Torino

- CIPSEC project: Cybersecurity Framework for Critical Infrastructures – cipsec.eu
- Nivola project: Cloud Management Platform for Openstack and VMware
- Data Center Cloud Transformation Project: tracking technologies, system integration on next generation operating system level virtualization: Openstack, Docker, Kubernetes.
- Software Defined Networking, Network Virtualization.
- Monitoring: Logging, ELK, Fluentd, Sensu, RabbitMQ, Collectd.
- Devops automation: Ansible, MAAS
- Data Science: Jupyter Notebook
- Language: Python

Dates	2002 to 2016
Occupation or position held	System Engineer, System Administrator, Project Manager, Researcher in Cloud Computing CSP – Innovazione nelle ICT - Torino
Scientific Paper	

- 2016 - "CondMerg: an open source implementation in R language of conditional merging for for weather radars and rain gauges observations" - Earth Science Informatics
  2016 - "Analysis of extreme rainfall events in Piedmont (NW Italy) using the CondMerg software on weather radars and a dense network of rain gauges" - EMS
  2016 - "CondMerg: an open source conditional merging implementation in R language for radars and rain gauges" - Journal "Computers and Geosciences"
- 2015 - "Analysis of extreme rainfall events in the metropolitan area of Turin with weather radar and a dense rain gauges network" - Science Symposium on Climate
- 2015 - "An open source low-cost cloud computing solution for weather sensors data acquisition using Raspberry Pi devices applied in alpine environment" - Science Symposium on Climate
- 2015 - "Urban flooding forecasting with weather radar and dense rain gauges network" - EMS
- 2014 - "Software Defined Storage" - GARR - Italian Academic and Research Network
- 2014 - ""Weather radars applications: innovative telecommunication systems and rainfall fields reconstructions using a rain gauges network" - DAMES 2014
- 2014 - "Network connectivity paradigm for the large data produced by weather radar systems" - EGU 2014
- 2013 - "Cloud Interoperability: a hard challenge" – European Conference ECEG 2013
- 2012 - "Architetture scalabili per la memorizzazione, analisi, condivisione e pubblicazione dei dati" – ArcheoFoss 2012 – Ministry of Culture
- 2010 - "NoSQL database" – Italian Academic and Research Network

	Project manager
	- Tracking technologies on next generation operating system level virtualization: Docker, Mesos, Etcd, Kubernetes.
	- Innovative Storage and Big Data in Cloud Computing and Internet of things environments. Analysis and test-bed.
	- Technology scouting about Storage Networking Open Source: Ceph, Swift, Storage Bricks.
	- Software-Defined Networking and OpenFlow Protocol. Study and analysis. Tracking Technology in the field of research with GARR (italian research and academic network).
	- High-performance and in-memory databases (memory resident database) analysis.
	- Analysis for standardization in Cloud Computing market: Interoperability standard de jure and de facto, Amazon Web Services, Interoperability Open Source Libraries (JClouds, Libcloud, Libvirt), Cloud Broker, Intercloud.
	- Technological solutions dedicated to Open Data: Sparql, Big Data, R and Hadoop
	- NoSQL databases: analysis and evaluation about pro and cons NoSQL solutions. Scalability in a distributed database environment. Build a scalable and no SPOF web environment with Nginx, PHP and MongoDB.
	- OpenFlow. Architectural analysis. Test bed laboratory using open source tools. Nox, Open vSwitch, RouteFlow, Opendaylight.
	- Scalability in a Cloud Computing environment: Right Scale, AWS, Ansible, HTTP Load Balancer, Nginx, NoSQL databases.
	- Business Continuity using cloud computing and virtualization: hw virtualization, operating system-level virtualization. Hypervisor, VMware, XEN, KVM, Jail BSD, Solaris Container.
	- Benchmarking distributed file systems and collaboration with Centre for Supercomputing Applications of Rome – Caspur.
	- Study and analysis about long term preservation for public data and archives.
Type of business or sector	ICT Centre Research for Piedmont Region Public Sector - Industrial research and experimental development.
Dates	2010 to 2014
Occupation or position held	Adjunct Professor Master in Cloud Computing - COREP Master in Multichannel Marketing - University of Biella
Main activities and responsibilities	Teaching
	- Cloud Computing Architecture: models, case studies, trends.
	- Technologies enabling Scalability, Reliability and Dependability.
	- Cloud API: Cloudstack, Openstack.
	- Next generation networking models: SDN and OpenFlow.
	- Cloud Storage Technologies: Ceph, Rados
	- Big Data, NoSQL technologies: MongoDB, Cassandra, MySQL Cluster, Hadoop, Swift.
	- Data Center technology: 10 gigabit, Distributed Storage, Distributed File System, IPv6, CDN.
	- Green Technologies.
Dates	2000 - 2001
Occupation or position held	ICT security manager in Caboto Holding (now Banca Imi) – MIano Intesa Sanpaolo Group
Main activities and responsibilities	Information Systems Security Officer
Type of business or sector	Investment Bank – Trading
Dates	1999
Occupation or position held	ICT security manager in TNT Global Express – Torino – http://www.tnt.it
Main activities and responsibilities	Information Systems Security Officer
Type of business or sector	International express courier

Dates	1992 - 1999
Occupation or position held	System and Network Administrator in CSI Piemonte – Torino – http://www.csipiemonte.it/en/
Main activities and responsibilities	System Administrator
Type of business or sector	Public Administration
Dates	1990 - 1992
Occupation or position held	Developer and Unix Administrator – Torino – Marelli Autronica http://www.magnetimarelli.com/
Main activities and responsibilities	Firmware Developer
Type of business or sector	Automotive

Education and training

Title of qualification awarded	Bachelor's degree in Science of Administration – Department of Political Science Università di Torino - L16 - 2013
Title of qualification awarded	Master's degree "Corporate & Business Law Expert" – Department of Law & Economics Università di Torino - LM63 – 2017
Title of qualification awarded	Master in Cybersecurity – Department of Engineering Università di Pisa – To Complete - March 2020

	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
English	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate
French	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate

Computer skills and competences	Linux, Solaris, FreBSD, Windows, Ubuntu, Centos, Red Hat, Scientific Linux, tuning Kernel Networking: Cisco routers, Routing Protocol, IPv4, IPv6, Software Defined Networking. Software Defined Networking: OpenDaylight, ON.LAB Cloud Computing: Openstack, CloudStack, Hadoop Storage: Ceph, iSCSI, FreeNAS, ZFS. Virtualization VMware, VirtualBox, Xen, KVM Apache, Nginx, Squid DNS BIND Postfix, Qmail Database: Oracle, Mysql NoSQL DB (Big Data): MongoDB, Cassandra, HBase Snoop, Tcpdump, Wireshark Office Automation (Microsoft and LibreOffice) Language C, Perl, Bash, Python
Driving licence	Automobile (B)