

PERSONAL INFORMATION

<b>Name</b>	<b>GIANFREDA ANTONIO</b>
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<b>Telephone</b>	+39 346 8547269, +39 011 5827863
<b>E-mail</b>	gianfreda.a@gmail.com
<b>Nationality</b>	Italian
<b>Date of birth</b>	01 NOVEMBER 1986

WORK EXPERIENCE

<b>• Dates (from – to)</b>	<b>December 2014 – Now</b>
<b>• Name and address of employer</b>	TIM S.p.A. ,via G. Reiss Romoli, 274 - 10148 Turin Italy
<b>• Type of business or sector</b>	Telecommunication
<b>• Occupation or position held</b>	NFV Engineer
<b>• Main activities and responsibilities</b>	<p>Cloud Architect – NFV OpenStack based cloud design</p> <ul style="list-style-type: none"> <li>• Expert OpenStack/cloud architecture skills. Management of the technical challenges of cloud, being able to solve NFV related business challenges meshing up certain cloud functionality.</li> <li>• Currency of cloud knowledge. Deep knowledge of cloud platforms also on latest features, functionality and maturity of the latest technology. Plan to use established and new architectures in order to create tactical plans for cloud deployments using legacy and emerging compute, network and storage options. Experience since 2014 (OpenStack based lab deployment).</li> <li>• Ability to work with partners (networking/ storage/ platform vendors) in order to create a custom design that is on budget and could achieve business goals.</li> </ul> <p>VNF deployment process  VNF deploy and testing, based on open-source/commercial products (vDNS, vIMS based on Clearwater).  Test of various deployment solutions (Heat/Cloudify) and integration with VMware.  Main activities:</p> <ul style="list-style-type: none"> <li>▪ Openstack – explore new features and plan infrastructure updates/upgrades based on results</li> <li>▪ Openstack – integrate with legacy/new monitoring tools (Nagios)</li> <li>▪ NFV – deploy and test candidate VNF on lab infrastructure</li> <li>▪ NFV – Create Cloudify/Heat recipes for automatic deploy</li> <li>▪ NFV – Implementing automatic onboarding features through Ansible playbooks</li> </ul>
<b>• Dates (from – to)</b>	<b>January 2011 – November 2014</b>
<b>• Name and address of employer</b>	Consoft Sistemi S.p.A. ,via Pio VII, 127 - 10127 Turin Italy
<b>• Type of business or sector</b>	Consulting and certification
<b>• Occupation or position held</b>	Application developer (TLC Field) – System integrator (PaaS & IaaS) – Cloud Architect
<b>• Main activities and responsibilities</b>	<p>Activities performed on behalf of the client Telecom Italia in the TILab laboratories.</p> <ul style="list-style-type: none"> <li>• January 2013 – November 2014  Cloud system implementation based on the open source Openstack platform (Grizzly – Havana - Icehouse). Network system implementation tests based on Floodlight and RYU SDN controllers.  Test and benchmark on Cloudify PaaS platform. Communication and VMs' instantiation on different cloud providers (VMWare, Openstack, Cloudstack, BYON). Extensive use of Puppet and its integration with Cloudify.  Main activities:</li> </ul> <ul style="list-style-type: none"> <li>▪ Lab infrastructure architecture design based on Openstack and Cloudstack</li> <li>▪ Lab infrastructure creation, working with available HW. Infrastructure test and benchmark.</li> <li>▪ Development cloud-specific driver for Cloudify that communicates with IaaS APIs</li> <li>▪ Abstraction layer built on top of Cloudify APIs in order to simplify common use cases</li> </ul>

	<ul style="list-style-type: none"> <li>▪ Development of simple custom REST APIs for common use cases in our platform (Java app, Spring based)</li> <li>▪ Development of puppet manifests to configure VMs and automate instantiation process</li> <li>• November 2011 – December 2012 Developed software solution for cloud services managing and provisioning (Javascript – Java technology).</li> <li>• January 2011 – October 2012 Developed software solutions on behalf of the Italia 150 Committee for Totem devices (they were placed in various venues in the celebrations) and phone devices. Developed application software Virgilio City for mobile devices with WAC and/or Bondi. Development application widgets for TV platforms. Using the Samsung app SDK development system for the creation. Tests carried out on emulators and lab devices.</li> </ul>
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<ul style="list-style-type: none"> <li>• Dates (from – to)</li> <li>• Name and address of employer</li> <li>• Type of business or sector</li> <li>• Occupation or position held</li> <li>• Main activities and responsibilities</li> </ul>	<p><b>July 2004 – October 2008</b></p> <p>Technical Studio S.r.l. ,corso Giambone, 63 - 10134 Turin Italy</p> <p>Consulting and certification</p> <p>Application software development and web-site designer</p> <p>Development of software platforms, operating and available on Internet, for the management of clients' business processes.</p> <p>Activities carried out from preliminary interviews with client companies; definition of required functional modules and functionalities.</p> <p>Worked in a team of three people, developed skills of communication and exchange of ideas.</p>
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## EDUCATION AND TRAINING

<ul style="list-style-type: none"> <li>• Dates</li> <li>• Name and type of organization providing education and training</li> <li>• Main subjects</li> </ul>	<p><b>October 2017</b></p> <p>Red Hat – Red Hat Certified System Administrator In Red Hat OpenStack see <a href="#">Red Hat Certificate</a></p> <p>Cloud images, Cloud networking, Block Storage, Orchestration.</p>
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<ul style="list-style-type: none"> <li>• Dates (from – to)</li> <li>• Name and type of organization providing education and training</li> <li>• Main subjects</li> </ul>	<p><b>May 2013 – August 2013</b></p> <p>Georgia Tech – MOOC on SDN (Software Defined Networks) see <a href="#">Statement of Accomplishment</a></p> <p>SDN principles, Mininet, Python, POX Controller, Pyretic</p>
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<ul style="list-style-type: none"> <li>• Dates (from – to)</li> <li>• Name and type of organization providing education and training</li> <li>• Main subjects</li> <li>• Other information (<i>Final thesis</i>)</li> </ul>	<p><b>January 2012 – December 2013</b></p> <p>Università degli Studi di Torino – Post-graduate degree in Cloud Computing and Software Services <i>with final grade 101/110</i></p> <p>Cloud Computing, Virtualization, NoSQL DB, Openstack, Cloudstack</p> <p>“IaaS as a PaaS enabler” - installation of two different lab infrastructures based on Openstack e Cloudstack. Test them as technological enabler for a specific PaaS solution, Cloudify.</p>															
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<b>MOTHER TONGUE</b>	ITALIAN															
<b>OTHER LANGUAGES</b>																
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<b>SOCIAL SKILLS AND COMPETENCES</b>	Good interpersonal, communication and teamworking skills developed mainly in Technical Studio and Telecom Italia experience. Ability to interact with customers to understand and focus on the issues to be resolved.															
<b>ORGANIZATIONAL SKILLS AND COMPETENCES</b>	<p>Organization of technical projects at the Technical Studio.</p> <p>Organization projects' timeline acquired during the collaboration with Telecom Italia.</p> <p>Management skills learned during the post graduate degree in Cloud Computing. During the thesis working period developed skills related to Gantt and Pert charts, SWOT analysis, monitoring and constant evaluation.</p> <p>Organizational skills acquired during the experience as a bartender, warehouse organization, shopping, rounds, billing, accounting.</p>															
<b>TECHNICAL SKILLS AND COMPETENCES</b>	<ul style="list-style-type: none"> <li>• SDN: POX, Ryu, Floodlight, Mininet</li> <li>• Virtualization: VMWare ESXi, Oracle Virtual Box, Xen, KVM</li> <li>• IaaS: Openstack (installation and configuration), Cloudstack (installation and configuration).</li> <li>• Operating Systems: Linux and Unix-Like; MS Windows, BONDI, Android.</li> </ul>															

<b>TECHNICAL SKILLS</b>	<ul style="list-style-type: none"> <li>• Automation: Ansible, Puppet, Chef</li> <li>• Programming Languages and Technologies: PHP; Python; Java; JavaScript (jQuery); C; C++; Visual Basic; SQL; CSS; HTML; XHTML; XML; XSL; UML; Web Usability and Accessibility; Web systems development and administration (server and client, Internet and intranet).</li> <li>• Revision Control Systems: Git, SVN</li> <li>• Web Servers: Apache; IIS; Nginx.</li> <li>• Databases: MySQL, MS Access, SQL Server, Cassandra, MongoDB</li> <li>• Development Platforms: Eclipse, NetBeans</li> <li>• Other Software Applications: Matlab, Adobe Photoshop; Corel Graphic Suite; Gimp; InkScape; MS Office; OpenOffice, Samsung App SDK, SVN, Hornbill (Ticketing), GAE.</li> <li>• Various: <ul style="list-style-type: none"> <li>Good knowledge of sensor networks and Bluetooth technology.</li> <li>Knowledge of core network components (switches, routers) and related protocols.</li> <li>Good ability to create electrical circuits, using soldering iron and testers.</li> <li>Knowledge and possibility to work with oscilloscopes learned at high schools and universities.</li> </ul> </li> </ul>
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<b>ARTISTIC SKILLS</b>	Amateur illustrator of comics, digital photo editing and web design.
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<b>OTHER SKILLS / HOBBIES</b>	A passion for math, reading and cooking. I like swimming and snowboarding.
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<b>DRIVING LICENSE</b>	Full clean Italian driving license from 25/03/2005
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