



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **Enrico Rossi**
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Nationality Italian
Date of birth 26 January 1971
Gender Male



Work experience

Dates 2003 →
Occupation or position held Network Consultant and Administrator
Main activities and responsibilities ARPA/Simc has evolved from a single TRUE64 mainframe to a distributed, clustered and virtualized Linux (debian and fedora) environment. My duties over these years were to assess the situation, propose solutions and implement them. From a single level 2 ip network to a full level 3 TCP/IP W.A.N. with firewall (fwbuilder and iptables scripts), gateways (linux kernel and cisco), proxy server(squid), static routes and VLAN.
All the servers are virtual (Xen, Virtualbox, KVM), distributed over 2 redundancy physical facility. The operative procedures are monitored (nagios and self build software), distributed over NFS (3, 4) and GFS technology, most of the user infrastructure is LDAP based.
I have also deploy other services like DNS (bind9), print server (CUPS), web server (apache) and all those typical software commonly used in data centers.
I have been involved also as a software developer (C, php5, Rails) to interface some web procedures to VoIP (asterisk) lines.

Name and address of employer SIMC/ARPA Emilia Romagna (Hydro-Meteorological Service of the Emilia-Romagna region)
viale Silvani 6, 40100 Bologna (Italy)
Type of business or sector Government Agency ; Environmental Services industry

Dates 2006 →
Occupation or position held C software developer on Embedded and Real time Systems, Embedded Linux
Main activities and responsibilities C Developing Open source software for embedded device.
AVR-libc, avr-gcc for hardware based on Atmel micro controller
Debian porting to ARM (mini2440) embedded device
Kernel driver developer for custom HW in ARM environment

Name and address of employer Self Employed
Bologna (Italy)
Type of business or sector Meteorological instruments, Recreational Automatic Tools

Dates 2008 →
Occupation or position held Network and system manager, consultant.
Main activities and responsibilities Linux system administrator
Linux/windows network manager
Web developer in Rails and PHP5 (web shop)
VoIP consultant
Sensitive Data Storage
OpenVPN

Name and address of employer	Customers Consultant blue tech s.r.l. via della Salute 20/3, 40132 Bologna (Italy)
Type of business or sector	Computer Hardware industry
Dates	March 2011 - September 2011
Occupation or position held	Linux network consultant.
Main activities and responsibilities	Assess the situation, plan an internet provider migration, deploy new network infrastructure services (dns, firewall, openVPN) and train the employees.
Name and address of employer	Anastasis soc. coop. Bologna (Italy)
Type of business or sector	Computer Software industry
Dates	March 2011 - June 2011
Occupation or position held	Firmware C developer.
Main activities and responsibilities	Software and protocol for devices working on a simplified X10 network on 433Mhz. Based on Atmel AtMega microcontroller, avr-libc standard library, connected to a master host with python software. Project OneWay.
Name and address of employer	Hospimatic s.r.l. Bologna (Italy)
Type of business or sector	Hospital & Health Care industry.
Dates	December 2010 - March 2011
Occupation or position held	Linux virtualization and networking consultant.
Main activities and responsibilities	Installation and virtualization (KVM) of linux debian servers and related networking infrastructure with redundancy and backups.
Name and address of employer	Xelia s.r.l. Imola (Italy)
Type of business or sector	Partnership; Information Technology and Services industry.
Dates	October 2010 - December 2010
Occupation or position held	Firmware C developer.
Main activities and responsibilities	Write C software firmware for a Samsung SLE 4442 chipcard reader and writer. Environment Atmel atmega microcontroller, avr-libc standard C library. Project SLE 4442.
Name and address of employer	Hospimatic s.r.l. Bologna (Italy)
Type of business or sector	Hospital & Health Care industry.
Dates	2009 - 2010
Occupation or position held	Linux teaching and training.
Main activities and responsibilities	Teaching basic Linux installation and management GNU/Debian installation and configuration Firewall how to (iptables) Network troubleshooting (wireshark)
Name and address of employer	SIMC/ARPA Emilia Romagna (Hydro-Meteorological Service of the Emilia-Romagna region) viale Silvani 6, 40100 Bologna (Italy)
Type of business or sector	Government Agency ; Environmental Services industry
Dates	1996 - 2009
Occupation or position held	System Administrator, network manager and software developer unix/linux system.
Main activities and responsibilities	System Administrator and designer of the local area network. Diskless Cluster Infrastructure Large S.A.N. and backups

	OpenMPI cluster manager and software developer. OpenVPN. Software (C, Fortran, Rails, php5, shell). Web application (CMS, Wiki). SGI Iris OS System Manager
Name and address of employer	Prof. Rolando Rizzi at University of Bologna – Dept. of Physics, ADGB (Atmospheric Dynamics Group Bologna) viale Berti Pichat 6/2, 40127 Bologna (Italy)
Type of business or sector	Educational Institution ; Research industry
Dates	2000 - 2008
Occupation or position held	Network and system manager.
Main activities and responsibilities	Linux system administrator Linux/windows network manager Web developer in Rails and PHP5 (web shop) VoIP consultant Sensitive Data Storage OpenVPN Customers Consultant
Name and address of employer	Lamda Informatica s.r.l. Bologna (Italy)
Type of business or sector	Computer Hardware industry
Dates	2003 - 2007
Occupation or position held	LAN Manager and system administrator.
Main activities and responsibilities	Lan Management and linux/unix system administrator. Storage Area Network. Cluster Manager and designer. End user support
Name and address of employer	Prof. Massimo Carlotti at University of Bologna – Dept. of Physical and Inorganic Chemistry, DCFI group. Bologna (Italy)
Type of business or sector	Educational Institution ; Research industry
Dates	1996 - 2005
Occupation or position held	Network designer and administrator, consultant.
Main activities and responsibilities	Linux Infrastructure servers (mail, proxy, security) Novell network support
Name and address of employer	Prof. Valerio Minarelli at ITCS Enrico Mattei San Lazzaro di Savena, Bologna (Italy)
Type of business or sector	Education
Dates	2002 - 2004
Occupation or position held	Founding Member of Zefir s.r.l. (Spin Off with Univ. of Bologna)
Main activities and responsibilities	Zefir Spin Off in collaboration with University of Bologna was created to fulfill the requirement of the Refir Satellite Project (Software, data storage and support).
Type of business or sector	Research
Dates	2002 - 2002
Occupation or position held	Network on site installation.
Main activities and responsibilities	Installation and configuration cisco routers.
Name and address of employer	Cable & Wireless. Bologna (Italy)
Type of business or sector	Telecommunications industry

Dates 2001 - 2001
Occupation or position held ISDN wide area network.
Main activities and responsibilities Network manager and support for a isdn based country wide area network.
Name and address of employer C.N.A. (National Confederation for the Craft Sector and Small and Medium Enterprise of Italy)
Rome (Italy)

Dates 1999 - 1999
Occupation or position held Electronics engineering technician.
Main activities and responsibilities Electronic projects
Name and address of employer L.A.B.E.N. s.p.a.
Milano (Italy)
Type of business or sector Public Company; Information Technology and Services industry

Dates 1996 - 1996
Occupation or position held Meteorological software for Cray T3E.
Main activities and responsibilities Fortran meteorological code reviewer.
Name and address of employer Prof. Stefano Tibaldi at C.I.N.E.C.A.
Bologna (Italy)
Type of business or sector Public Company; Information Technology and Services industry

Dates 1994 - 1995
Occupation or position held Unix mainframe system manager.
Main activities and responsibilities IBM RS6000 System Manager
Name and address of employer Prof. Stefano Tibaldi at University of Bologna, Physics Dept. - ADGB.
viale Berti Pichat 6/2, 40127 Bologna (Italy)
Type of business or sector Educational Institution ; Research industry

Dates 1992 - 1994
Occupation or position held Novell network and Ms-Dos administrator.
Main activities and responsibilities Novell network designer and manager
Customer Ms-Dos Hardware and software support service
Name and address of employer Ing. Carmine Laddomada at Lambda Office Italia s.r.l.
40133 Bologna (Italy)
Type of business or sector Computer Hardware industry

Dates 1992 - 1992
Occupation or position held Software C++ developer.
Main activities and responsibilities C++ GUI developer for games
Name and address of employer Simulmondo.
Bologna (Italy)
Type of business or sector Computer Games industry

Dates 1991 - 1991
Occupation or position held Private Computer Science teacher
Main activities and responsibilities Secondary school level CS teacher at home
Name and address of employer Bologna (Italy)
Type of business or sector Private Educational

Education and training

Dates 1985 - 1990

Title of qualification awarded Perito Tecnico Informatico (result 51/60)
 Principal subjects / occupational skills covered Computer Science
 Name and type of organisation providing education and training I.T.I.S. "Odone Belluzzi" (College)
 Bologna (Italy)
 Level in national or international classification High school diploma in Computer science

Personal skills and competences

Mother tongue(s) **Italian**

Other language(s)

Self-assessment
 European level (*)

English

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B2	Independent user	B2	Independent user	B2	Independent user	B1	Independent user	B1	Independent user

(*) [Common European Framework of Reference \(CEF\) level](#)

Social skills and competences Nautical skipper experience from 1995 to 2001 in the mediterranean sea.

Organisational skills and competences As Tecno Brain I have developed projects in partnership with other companies, people and organizations, and, of course, customers. I have collaborated with different professionists sometimes as a team leader, sometimes as a team member.

Technical skills and competences Basic knowledge of analog and digital Electronics.

Computer skills and competences GNU/Debian Ubuntu Linux.
 Hp/Compaq Tru64.
 SGI Irix.
 IBM Aix.
 Windows.
 Cisco Ios, ISDN, Adsl, Routing.
 Iptables, firewall, network protocols.
 Scalable network, switches and physical link.
 Network services, dns, dhcp, ipv4, ipv6.
 Virtual server (Xen, Vserver, KVM, qEmu).
 NFS (3 e 4), Samba.
 Printserver, cupsys, HpJetAdmin.
 Storage Area Network, hardware and software RAID, LVM, GPFS, fiber channel raid storage.
 C & C++ programming.
 HTML, XML
 PHP (3 - 5).
 PostgreSQL, MySQL, Sqlite.
 Plone CMS.
 Asterisk PBX, VoIP Client Linux and Windows, Hardware, VoIP protocol and application.
 Router VoIP Patton.
 Atmel ATmega C open source programming.
 Atmel AVR32 C programming and linux porting.

	<p>Hardware bus i2c, twi, rs232 microcontroller link.</p> <p>High Speed ADC sampling and data-management.</p> <p>Meteorological GSM/GPRS station, firmware and software, remote sensing device, real time data acquisition.</p> <p>ARM Linksys NSLU2, Open WRT Linux.</p> <p>Hardware PC.</p>
Other skills and competences	<p>Amateur Radio license 1980</p> <p>Nautical license (sail/engine).</p> <p>Free flying license (paragliding) since 2002.</p>
Driving licence(s)	A, B
Additional information	<p>Registered at bureau of commerce (Camera di Commercio) as an individual company called "Tecno Brain di Rossi Enrico" for commerce and services related to Computer and Computer Science.</p> <p>References available upon request.</p> <p>publications:</p> <p>Vincenzo Cuomo, Aldo Amodeo, Paolo Antonelli, Antonella Boselli, Alessio Bozzo, Carmela Cornacchia, Giuseppe D'Amico, Maurizio Di Bisceglie, Francesco Esposito, Paolo Di Girolamo, Giuseppe Grieco, Allen M. Larar, Luigi Leone, Fabio Madonna, Tiziano Maestri, Rocco Marchese, Guido Masiello, Giuseppe Meoli, Lucia Mona, Marco Pandolfi, Gelsomina Pappalardo, Giulia Pavese, Gianluca Pisani, Rosa Restieri, Rolando Rizzi, Filomena Romano, Enrico Rossi, Federica Rossi, Domenico Sabatino, Carmine Serio, William L. SmithJr., Nicola Spinelli, Donato Summa, Giulio Todini, Domenico Villacci, Xuan Wang, and Daniel K. Zhou</p> <p>"The Italian phase of the EAQUATE measurement campaign"</p> <p>Proc. SPIE Vol. 5979, 59791E (Nov. 1, 2005)</p>