

Curriculum Vitae



Personal information

First name / Surname **Enrico Rossi**
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E-mail e.rossi@tecnobrain.com
Nationality Italian
Date of birth 26/01/1971
Gender Male
Marital status Single

Work experience

Dates 2003 – Present (7 years)
Occupation or position held **Network Consultant and Administrator at SIMC/ARPA Emilia Romagna (Hydro-Meteorological Service of the Emilia-Romagna region)**
Main activities and responsibilities

- Linux systems (Debian, Fedora)
- Network Infrastructure and Security (WAN connection, firewall, VLAN)
- Network Filesystem (NFS 3,4)
- Cluster Filesystem (GPFS)
- Virtual Server (Xen, Virtualbox, KVM)
- Software Developer (C, php5, Rails)

Type of business or sector Government Agency ; Environmental Services industry

Dates 2006 – Present (4 years)
Occupation or position held **C software developer on Embedded and Realtime Systems, Embedded Linux**
Main activities and responsibilities

- C Developing Open source software for embedded device.
- AVR-libc, avr-gcc for hardware based on Atmel microcontroller
- Debian porting to ARM (mini2440) embedded device
- Kernel driver developer for custom HW in ARM environment

Type of business or sector Meteorological instruments, Recreational Automatic Tools

Dates 2008 – Present (2 years)
Occupation or position held **Network and system manager, consultant at blue tech s.r.l. (Bologna)**
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

Type of business or sector Computer Hardware industry

Dates	2009 – 2010 (1 year)
Occupation or position held	Linux teaching and training at SIMC/ARPA Emilia Romagna (Hydro-Meteorological Service of the Emilia-Romagna region)
Main activities and responsibilities	<ul style="list-style-type: none"> • Teaching basic linux installation and management • GNU/Debian installation and configuration • Firewall howto (iptables) • Network troubleshooting (wireshark)
Type of business or sector	Government Agency ; Environmental Services industry
Dates	1996 – 2009 (13 years)
Occupation or position held	System Administrator, network manager and software developer unix/linux system at University of Bologna – Dept. of Physics, ADGB (Atmospheric Dynamics Group Bologna)
Main activities and responsibilities	<ul style="list-style-type: none"> • 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 of employer	Prof. Rolando Rizzi
Type of business or sector	Educational Institution ; Research industry
Dates	2000 – 2008 (8 years)
Occupation or position held	Network and system manager at Lamda Informatica s.r.l. (Bologna)
Main activities and responsibilities	<ul style="list-style-type: none"> • Linux system administrator • Linux/windows network manager • Web developer in Rails and PHP5 (web shop) • VoIP consultant • Sensitive Data Storage • OpenVPN • Customers Consultant
Type of business or sector	Computer Hardware industry
Dates	2003 – 2007 (4 years)
Occupation or position held	LAN Manager and system administrator at University of Bologna – Dept. of Physical and Inorganic Chemistry, DCFI group
Main activities and responsibilities	<ul style="list-style-type: none"> • Lan Management and linux/unix system administrator. • Storage Area Network. • Cluster Manager and designer. • End user support
Name of employer	Prof. Massimo Carlotti
Type of business or sector	Educational Institution ; Research industry
Dates	1996 – 2005 (9 years)
Occupation or position held	Network designer and administrator, consultant at ITCS Enrico Mattei (Bologna)
Main activities and responsibilities	<ul style="list-style-type: none"> • Linux Infrastructure servers (mail, proxy, security) • Novell network support
Name of employer	Prof. Valerio Minarelli
Type of business or sector	Educational

Dates	2002 – 2004 (2 years)
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 (less than a year)
Occupation or position held	Network on site installation at Cable & Wireless (Bologna)
Main activities and responsibilities	<ul style="list-style-type: none"> • Installation and configuration cisco routers.
Type of business or sector	Telecommunications industry
Dates	2001 (less than a year)
Occupation or position held	ISDN wide area network at can (National Confederation for the Craft Sector and Small and Medium Enterprise of Italy)
Main activities and responsibilities	<ul style="list-style-type: none"> • Network manager and support for a isdn based country wide area network
Dates	1999 (less than a year)
Occupation or position held	L.A.B.E.N. s.p.a. (Milano)
Main activities and responsibilities	<ul style="list-style-type: none"> • Electronics project
Type of business or sector	Public Company; Information Technology and Services industry
Occupation or position held	Meteorological software for Cray T3E at C.I.N.E.C.A. (Bologna)
Main activities and responsibilities	<ul style="list-style-type: none"> • Fortran meteorological code reviewer
Name of employer	Prof. Stefano Tibaldi
Type of business or sector	Public Company; Information Technology and Services industry
Dates	1994 – 1995 (2 years)
Occupation or position held	Art. 26 ADGB, Physics Dept., University of Bologna
Main activities and responsibilities	<ul style="list-style-type: none"> • IBM RS6000 System Manager
Name of employer	Prof. Stefano Tibaldi
Type of business or sector	Educational Institution ; Research industry
Dates	1992 – 1994 (2 years)
Occupation or position held	Novell network and Ms-Dos administrator at Lambda Office Italia s.r.l.
Main activities and responsibilities	<ul style="list-style-type: none"> • Novell network designer and manager • Customer Ms-Dos Hardware and software support service
Name of employer	Ing. Carmine Laddomada
Type of business or sector	Computer Hardware industry
Dates	1992 (less than a year)
Occupation or position held	Software C++ developer at Simulmondo
Main activities and responsibilities	<ul style="list-style-type: none"> • C++ GUI developer for games
Type of business or sector	Computer Games industry

Education and training

Dates 1986 – 1990

Title of qualification awarded Perito Tecnico Informatico (result 51/60)

Principal subjects covered **Computer Science**

Name and type of organisation providing education and training **College I.T.I.S. "Odone Belluzzi" Bologna, Italy**

Level in national or international classification High school diploma in Computer science

Personal 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, fibre 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.
- Hardware bus i2c, twi, rs232 microcontroller link.
- High Speed ADC sampling and data-management.
- Meteorological GSM/GPRS station, firmware and software, remote sensing device, real time data acquisition.
- ARM Linksys NSLU2, Open WRT Linux.
- Hardware PC.

Mother tongue Italian

Other language(s)

Self-assessment
European level ()*

English

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
Very good	Very good	Very good	Good	Very good

(*) [Common European Framework of Reference for Languages](#)

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 professionals sometimes as a team leader, sometimes as a team member.
Technical skills and competences	<ul style="list-style-type: none"> • Basic knowledge of analog and digital Electronics.
Other skills and competences	<ul style="list-style-type: none"> • Amateur Radio license 1980 • Nautical license (sail/engine). • Free flying license (paragliding) since 2002.
Driving licence	A/B License
Additional information	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.
Publications/Acknowledgment	<ul style="list-style-type: none"> • Ack: Bozzo, A. and Maestri, T. and Rizzi, R. "<i>Combining visible and infrared radiometry and lidar data to test ice clouds optical properties</i>", Atmospheric Chemistry and Physics Discussions 2010, volume 10, num. 3. • 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. Smith Jr., Nicola Spinelli, Donato Summa, Giulio Todini, Domenico Villacci, Xuan Wang, and Daniel K. Zhou <i>"The Italian phase of the EAQUATE measurement campaign"</i> Proc. SPIE Vol. 5979, 59791E (Nov. 1, 2005)