

# Curriculum Vitae

## Personal information

Surname / First name **Cortassa Diego**  
Address Via Gaglianico, 22 10146 Turin Italy  
E-mail diego@cortassa.net  
Nationality Italian  
Date of birth 15 April 1973  
Gender Male

## Summary

Starting as a unix system administrator I focused on designing IT infrastructures and writing code to automate system management. In the last years I specialized on high performance computing applied to the cinematographic computer animation and rendering creating the underlining IT structure, render clusters, network and storage to support several studios and writing code to optimize and automate their pipeline and to maximize elaboration throughput.

## Work experience

Dates 2008-2015  
Main activities and responsibilities Systems engineer & developer at Square S.r.l.

Dates 2004-2008  
Main activities and responsibilities Worked as Senior System administrator and from September 2005 as System engineer Supervisor for Lumiq Studios, one of the biggest post production facilities in Italy. In Lumiq I redesigned and administered a Linux HPC cluster with 370 CPUs, administered few SGI workstations (with discreet Inferno, Smoke, backdraft and flame), 2 Windows 2000 HA clusters (an Active Directory server and a MS Exchange mail server), a network with more than 50 Windows, Linux and Mac workstations, an HA Linux Cluster, a sledgehammer server, an Apple Xsan SAN network.

Dates 1997-2003  
Main activities and responsibilities Founded LogX s.r.l., a consulting company, with 8 people working in 2002. With LogX I worked six years doing project management, giving consulence on complex networks, administering UNIX and Windows servers, programming web application, doing bash, Python and Perl scripting and installing database servers ( PostgreSQL and MySQL)

Dates 1994-1995  
Main activities and responsibilities Network administrator for Chorus s.r.l.

Dates 1993-1994  
Main activities and responsibilities Network administrator and Visual Basic Programmer for Modus s.r.l. (Now ESpin S.p.a.)

Dates 1992-1993  
Main activities and responsibilities free-lance Visual Basic Programmer

## Education and training

Diploma media superiore: Liceo Scientifico C. Cattaneo  
3 years at university of Turin Scienze M.F.N., computer science  
Commercial Certification SUN workgroup servers

## Personal skills and competences

Mother tongue Italian  
Other language English

- Excellent knowledge of Linux and Unix.
- Expert programmer in Python, PHP and BASH.
- High availability systems and HPC clustering.
- Expert in TCP/IP networks and services.
- Administration and integration of mixed OS's networks.
- Expert knowledge of Opensource software and solutions.
- Good in teaching.

## Accomplishments

Southpaw Tactic deployment and development. Tactic is a opensource, web-based platform used for building enterprise workflow and asset managemnet solutions. It listed on python official wiki as the largest python project. In square I started programming on it to develop a full, in house, pipeline managemnet system and become a contributor to the main project with serveral patches merged in the official codebase.

Engineered the entire data center and renderfarm for Endenlab S.r.l. (a post production firm in Turin) with 6TB EMC storage and 80 cores HPC Linux cluster

Engineered the renderfarm for Lumiq S.p.a. (a post production firm in Turin) with 300 cores (150 Dual Xeon blades) HPC Linux cluster, cloning facility, ganglia and zabbix performance monitoring and drqueue/royal render job dispatching

Long term consultant for Airdolomiti S.p.a. (an airline company in Triest) where I administered SUN Servers (2 Workgroup server V880), Linux e Storage Area Network StorEdge di SUN Microsystems. Migrated their systems from Microsoft to Linux and Solaris and developed few internal applications

Managed the systems for a big Italian Internet portal CiaoWeb (Solaris pm Enterprise server 4000 e 3000/apache/mysql) and programmed a lot of "Perl glue"

Installed the web server of a big Italian bank (BNL) on a Sun Enterprise server 10000

Programmed few web applications with LAMP platform (e-commerce and ad hoc applications) have some demos on <http://eyes.logx.it>, <http://gsu.logx.it>, <http://tom.logx.it>

Engineered and installed the network of the Comune di Orbassano (city of Orbassano, a town with 22.000 inhabitants near Turin) with 6 Server Linux (mail, firewall, web, share SMB, fax) and about 150 windows clients

Teached C language to programmers of the Turin public Transport company and computer security to the IT team of Valeo Turin (a French automotive group)

Installed few international VPN networks for Contacta s.p.a., Gasenergia s.p.a., CAPAT s.r.l., Grimaldi case, Bottero s.p.a. (Italy, UK, USA, China, France, Germany, Poland)

Installed, configured and managed 6 local ISP companies with Linux and Cisco machines: Net&Media in Orbassano (TO), Stefan MCDS in Asti, Elbacom in Portoferraio (Elab Island), MBM in Torrepellice (TO), GO@net in Genova and Art&Media in Torino

Installed, configured and managed for years more than 120 Linux Servers fro different companies.

Serving:

- Firewall
- Microsoft Domains
- Web intranet
- Electronic Mail
- Fax server

## Hobbies and interests

I am very interested in computers and technology. I love being on the mountains where I do ski mountaineering, rock climbing and trail running. I often take part to both ski mountaineering and trail running races.