Andrea Parri

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PROFILE

A particle physicist turned IT professional, with fifteen years of experience in delivering scientific and business technology solutions for a wide range of platforms and on the World-Wide Web.

- Extensive knowledge of Web standards, Internet protocols, programming languages, software tools (especially open source) and computer hardware.
- Exceptional analytical skills.
- Excellent oral and written communication skills.

EXPERIENCE

Partner, Ganzerìa
Sullivan, Illinois, 01/2004 to present

Started my own consulting practice to provide a full range of technology solutions using **free software** and **agile development** methods.

- Created **Web portal with underlying knowledge management system** for a university-based sustainable agriculture program using the Plone CMS.
- Redesigned and extended **custom sales force planning desktop application** for a major pharmaceutical corporation. Added LINGO-based optimization to allocate representatives across sales groups. Worked closely with end users to develop a new multi-document user interface with much-improved usability.
- Designed and prototyped **newspaper content management system** for a startup bi-county weekly using the Plone CMS.
- Created **prototype VoIP PBX system** with a combination of free software and off-the-shelf hardware to replace a proprietary unit as part of the experimental remote ordering system of a nationwide fast food chain.
- Designed and implemented full-blown, dirt-cheap **office LAN + Internet gateway solution** for a local nonprofit using a NAT-shared 56K dialup permanent uplink and dynamic DNS.
- Created **self-managed Web site** for the local chamber of commerce using the Zope application server.
- Set up Ganzerìa's **mail, Web and file server**, running Debian GNU/Linux with Exim, Courier, Squirrelmail, Apache and OpenSSH. Hosting and managing several domains beside our own.

Senior System Architect, SEI Information Technology (now Solugenix)
Oak Brook, Illinois, 03/1998 to 01/2004

Designed, developed or directed technology solutions for **Web-based salvage auctions**, **checkout coupon printing**, **fast food restaurant management**, **sales force automation**, **nuclear pharmacy**.

Guest Scientist, Fermi National Accelerator Laboratory
Batavia, Illinois, 07/1994 to 03/1998

Wrote and maintained **cross-platform physics data selection software** as one of the researchers studying the top quark.

MS Thesis Research, Laboratori Nazionali di Frascati
Rome, Italy, 09/1991 to 07/1994

Wrote or improved various **particle detector simulation libraries**.

EDUCATION

Università degli Studi di Roma "La Sapienza" (Italy)

MS *summa cum laude* in Physics, May 1994.

Pontificia Universitas Gregoriana (Italy)

BA in Philosophy and Theology, June 1986.

TECHNICAL	**Standards**

Hardware
CAMAC, Ethernet, Fastbus, X10.

IETF
TCP/IP, UDP, DNS, SSH, FTP, SMTP, IMAP, POP, DHCP, NAT, NTP, NFS, Samba, SNMP, LDAP.

ISO
SGML, DSSSL.

W3
HTTP, HTTPS, HTML, CSS, XHTML, XML, XSL, XSLT, DOM, RDF.

Tools

Operating systems
CP/M, MS-DOS, PalmOS, UNIX (AIX, HP-UX, IRIX, Linux, SCO), VAX/VMS, MS Windows (3.1 to XP).

Programming languages
Ada, Assembler (6502, Z80), ASP, awk, bash, Bourne shell, C, C++, C shell, Clipper, dBase III+, DCL, Delphi 6, FORTRAN 77, Fortran 90, Intercal, Java, JavaScript, Korn shell, KUIP, Lisp, make, Pascal (Borland), Perl, PHP, Postscript, Prolog, Python, Ruby, Scheme, sed, SQL, Tcl, TeX, VBScript, Visual Basic 6.

RDBMS
InterBase, MySQL, PostgreSQL, SQL Server.

SGML, XML, HTML
sgmls, sp, jade.

Software, client-side
Crystal Reports, Emacs, the Gimp, Gnome, IQ/Reports, Inkscape, Inno Setup, KDE, LINGO, Mozilla Suite (Firefox, Thunderbird), MS Help Workshop, MS Office, NSIS, Open Office, Rational SQA Suite, SalesLogix, Scribus.

Software, server-side
Apache, BIND, Courier, CVS, Exim, IIS, Squirrelmail, Subversion.

UI frameworks
wxPython, XUL.

Web frameworks
Maypole, Plone, Ruby on Rails, Zope.

PERSONAL
I am an Italian citizen and a permanent resident of the United States ("Green Card holder"). I speak English and Italian fluently, understand spoken Spanish and French, and can read Latin and (ancient) Greek. A few years as an amateur actor and a professional entertainer have taught me how to perform in public and hold an audience. I served as an officer in the Italian Army. I am a decent guitarist, a good cook and an accomplished contra-dancer. I was using free software and the GNU system long before they were called "open source" and "Linux", and had a home page back when the Web was still text-only.

My professional home on the Web is **http://ganzeria.com/~andreaparri**.

PROJECTS
See **http://ganzeria.com/~andreaparri/resume/details** for a complete list and details.

META
Last updated: March 2006.

The most up-to-date version of this document is **http://ganzeria.com/~andreaparri/resume**.