Luca Ognibene

Better done than perfect

Education

2000–2004 **Academic Degree**, *Università degli studi di Parma*, Parma, *Computer Engineering*.

Experience

Work

2004– **Developer and Project Manager**, *AntekLAB*, Porto Mantovano.

My main task is server software design and development but i also help to management our IT infrastructure (we're a small company).

Detailed achievements:

- designed a complete video-security system;
- designed and developed a Python multi-process video-security server based on Twisted;
  - developed modules to acquire/analyze/archive/stream video streams from ip camera;
  - developed simple algorithms to do motion detection on live streams;
  - integrated lots of external components(panels, rfid, modbus, camera, video cards, ..);
  - developed lots of GStreamer plugins;
  - integrated a no-sql server(redis) for better performance and scalability;
  - developed a cloud service to offer network connections to all our clients using openvpn;
  - developed public API;
  - developed an automatic syncronization framework between connected servers;
- developed a C OpenGL client for Windows and Linux used to display live and recorded video streams in multiple codecs;
- implemented a continuous integration system using Jenkins, Trac, subversion and custom scripts;

Languages

Italian **Very good** *Mother language*

English **Quite good** *No problem in reading/writing. I'm not used in listening/speacking.*

Computer skills

Operating Systems — Linux, Windows, Android

Main Programming Languages — Python, LUA, C

Frameworks — Twisted, GStreamer

Servers — PostgreSQL, nginx, redis, sqlite

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Applications	Emacs, GIMP, LibreOffice, Firefox, Inkscape
Markup	XML, JSON, HTML
Network Protocols	HTTP, RTP/RTSP/RTCP, XMLRPC, SMTP, FTP, XMPP, MODBUS
IT Infrastructure	BugZilla, Trac, Subversion, GIT, Jenkins
Presentation	Lyx, Latex

Interests

Family	This is my first interest! I'm married and i have two daughters.
Learn,Make	I enjoy learning new skills and i enjoy creating stuff.
Woodworking	I've basic manual woodworking skills. I enjoy working with wood because you need to understand it and because it keeps me away from computers and from time to time this is nice.
Robotics	I build small robots in my spare time using Arduino and stuff i buy or find in the house.
Football	Whenever i have time i play football with friends.

Open source

- I'm used to work in the open source movement. I worked with Xine, Oxine, GStreamer, GAI and Maemo years ago. Now unfortunately i don't have much time to work on that anymore.
- I still use open source tools/code for work and personal reason

Optimization

- I'm used and i like to find performance bottlenecks on systems.
- I know how to use Oprofile and other tools
- I know and understand the golden rule of optimization: premature optimization is the root of all evil