# 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 manage our IT infrastructure (we are 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**

English **Quite good**

## Computer skills

Operating Systems Linux, Windows, Android

Main Programming Languages Python, LUA, C

Frameworks Twisted, GStreamer

Servers PostgreSQL, nginx, redis, sqlite

*Largo Sandro Pertini 25 – 26041 Casalmaggiore(CR) – Italy*

*3347378858*  •  *luca.ognibene@gmail.com*  •  *luogni*

*luogni*  •  *luogni*  •  *Born on 28/08/1981*

| | |
|---|---|
| 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 am married and I have two daughters. |
| Learn,Make | I enjoy learning new skills and I enjoy creating stuff. |
| Woodworking | I have basic manual woodworking skills. I enjoy working with wood because you can make everything with it and because it keeps me away from computers and this is nice from time to time. |
| Robotics | I build small robots in my spare time using Arduino and stuff I buy or find in my house. |
| Football | Whenever I have time I play football with my friends. |

## Open source

- I am 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/libraries for work and personal reasons

## Optimization

- I am 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