

# NICOLA MILANI

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## Education

2014 – I attended a course of European Project Management  
2011 – high school diploma of business and IT at ITES Aldo Pasoli in Verona.

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## Language skills

Base English

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## Software Skills

Linux O.S. advance knowledge that covers:

daemon administration, build from scratch like Debian (debootstrap)

I have experience on migration from windows to Linux with or without VDI.

During my experiences I've also worked with Windows O.S. developing some knowledge about system administration.

I am studying: LDAP, Active Directory, LXC and OpenStack.

### **Productivity softwares**

Good skills in Libreoffice and MS Office. I've some experience in VBA for create simple macro.

Project Management tools.

### **Programming and others**

Shell, C and base of Java, html, php, python, angularjs, ionic framework, wordpress, joomla.

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## Relational and organizational skills

Managing of public relations and group coordination.

Experience in working with the press, public administration, group management.

Enjoy working in a team especially if I can gain knowledge from others.

Planing of education courses for teachers.

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## Experience

During 2011-2014 I was President of Linux Users Group of Verona. Here I set myself the goal of analyzing the software market in the world of education, both in terms of teaching and administration.

In doing so, I introduced a sustainable model of distribution of open source software in networks of schools located in Verona, IT.

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I created the premises for a real turning point in the digital era in Italian schools. I did this by organizing two delegations of stakeholders for the “School National Digital Plan “ created by the Minister of Education.

I attended two meetings, in November of 2013 and February of 2014 at the Minister of Education headquarters, which positively influenced the work of the Education Minister and as a result there are now “digital champions” in every Italian school based on the model of the European Digital Champion.

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## Technical skills

- I'm currently working on the implementation of new software technologies for Schools of the Autonomous Province of Bolzano in South Tyrol, IT. Here my goal is the simplification of Linux and Windows management and cost reduction. In this case of study I'm using a smart solution deployed in Cooperative Galileo for the University of Verona, due to excessive cost and low hardware performance.

The idea is merging a FAT LTSP infrastructure with something like VDI.

The client image is building in a chroot environment and spreads from one server that runs TFTP and NFS daemon. The client bootstraps with PXE directly from the chroot path on the server and when they are finished they can clone the image to their hard drive.

The update runs using overlays to manage the commits and rollbacks of the edited image. Every client can run a Windows virtual machine with KVM (or other HV) and the desktop experience for the user becomes totally transparent.

- Making web sites with CMS.
  - Use and administration of MOOC environment.
  - I designed a custom O.S. based on Linux called “**Sodilinux Willdos based**”, published in 2012. It was possible thanks to my collaboration with ITD of CNR of Genova<sup>1</sup> and the community of Willdos in Trento, IT.
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<sup>1</sup> Istituto Tecnologie Didattiche del Centro Nazionale di Ricerca di Genova  
Educational Institute of Technology of the National Research Centre in Genova