Curriculum Vitae

Contacts:

Name: **Fabio Ferrari** Date of birth: july 29th 1978 Address: Strada Tre Olmi 109, 41123 Modena (MO), Italy	Mobile: + 39 **338 2724754** E-mail: ferrari.fabio@gmail.com Certified e-mail: fabio.ferrari6@ingpec.eu

Education:

- 1997. Scientific high school degree at "Liceo Scientifico Alessandro Tassoni" of Modena.

- 2003. **Degree in Computer Engineering** from the University of Modena and Reggio Emilia. Mark 99/110. The Thesis was about an **Open Source Timestamp System**. Passed the qualifying examination, Chartered Engineer from january 2005.

- I got a **Cisco CCNA Certification** in february 2005.

Work experience:

- *1996-2000* Occasionally worked for the Municipality of Modena to build the former website. Worked on the **first Italian Digital Identity project;**

- *2001-2003* Occasionally worked for the company Texne of Modena, and for University of Modena and Reggio Emilia. The main tasks were helping to manage the e-mail system and building some e-commerce websites;

- *2003-2004* Worked as a Linux System Administrator for the Company 'Netsphere' of Modena;

- *2005-Current* Worked as a freelance Software Developer , System Integrator and Administrator. My main tasks and achievements are:

  • Provided advanced advice on the best practices in the management of the computer networks, organizing the migration to better network infrastructure. Provided advice in software engineering, choosing the best language, framework and tool based on the requirement of the application itself;

  • Worked as a Java software developer for some computer companies;

  • Independently developed customized applications: web applications, standalone or client-server applications, mixed (web/app/executables) applications with shared databases;

  • Designing, installing and maintaining Systems for large organizations (3000+ users);

  • Reorganize and maintain the Information Systems of medium-large enterprises (100-500 employees), reducing the costs and enhancing the availability of the network through HA Systems;

  • Developed a few my own products, expecially Embedded Systems and IoT products.

- *2016-Current* Founded Qwyddy Technologies, a Company in the field Of Iot and Industry 4.0. The company is also planning to launch Qwyddy, a project in the field of Sharing Economy.

Technical skills:

- I am able to **design, install, maintain and identify the problems** of medium sized Information Systems, with particular regard to **Security** and **High Availability**. I can design and independently

develop **applications with the most popular and up-to-date programming languages** and databases. I am also able to integrate and interface different kind of systems, such as **electronic and embedded systems**, web applications, Mobile Apps, messaging systems (Fax/SMS) and legacy systems.

- Network devices and services: installation, configuration and maintenance of Routers and Firewalls (expecially **Cisco**), VPN concentrators, web/proxy servers, mail servers, dns/dhcp/ipam servers, ftp servers, databases, etc.;

- **Programming languages**: **Perl** (good)**, Php** (good), **C/C++** (gcc, Qt libraries, good), **Java (good)**, **.NET** (VB/C#, good), Android development, some knowledge about VBScript;

- **Operating Systems**: Unix (mostly **RedHat , Debian and Ubuntu Linux**), **Windows** (XP/7, **Server 2003/2008/2012**);

- Frontend development: HTML, CSS, XML, XSL, **Jquery, JqueryUI, javascript, Knockout JS, Bootstrap and Web Services**;

- Unified Messaging Systems (Fax to Pdf, SMS gateways, GSM modems, VoIP);

- Embedded Linux Systems: Soekris Boards, BeagleBone, Mini-ITX, Fruit* PI. Design and implementation of integrated sytems (Embedded Linux + dedicated electronic boards);

- **Automation systems based on Embedded boards**;

- **Databases**: good knowledge of the **SQL standard**, mostly used with **MySQL and PostGres**;

- **Virtualization and Clustering/HA Systems**: **Vmware Esx(i)**, Vmware Server, Linux (Heartbeat, DRBD), Red Hat Cluster Suite, some knowledge about Xen and VirtualBox, customized clusters;

- **Microcontrollers**: **ST Nucleo, ESP8266**, Arduino.

Non-technical skills and education:

- During my freelance job I had the opportunity to develop some non-technical skills, for example:

  • I am able to draft and to analyze a contract;
  • I can analyze and manage the financial aspects of a small Company;
  • I managed a small team of technicians.

- In the years 2008-2009 I took some courses supported from the Province of Modena to help build new enterprises. The courses covered the legal, financial and business organization aspects of the new Companies and were focused expecially on the **Business Plan** and **Marketing**.

Personal interests:

I'm passionate for first aid. I'm currently a volunteer in Italian Red Cross of Rubiera and in Blue Cross of Modena, expecially doing ambulance services and training the new volunteers.

Foreign languages:

- English: Full professional proficiency with regard to technical written English. Good spoken English (B2 level, certificate from Benedict School).
- German: basic school knowledge.

Modena, august 28th 2016