Enrico Scelsa
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ABOUT ME

Accomplished Digital Transformation CTO & Technical Leader with 20+ year experience architecting & developing solutions & managing technical teams across software, hardware, mobile app, eCommerce portals and cloud development, in business environments from startups to leading organizations across industries.

WORK EXPERIENCE

Gimasi, Mendrisio, Switzerland (2019 - now)
Senior firmware developer

Firmware developer on many internally developed sensors boards, arm cpu based; customization of the related Cloud services:
- languages: C, C++, javascript, typescript
- Hardware: Arm based CPU (texas 26xx and stm32 M0), radio (BG96, BC66) and sensors-I/O-service chips (SHT21, SI1133, VL5311, LIS3DH, LSM303, st25, L96, st25, m41T65)

Familcare ltd, Milano, Italy (2017 - now)
Hardware, Firmware, Mobile App and Web Platform Architect, Teams Leader & Developer

- Firmware developer on a proprietary IoT BLE device, Texas 26xx-based
- Senior developer on IOS & Android Hybrid mobile apps
- Head of Web Platform Development on a custom and innovative template engine
- Languages: C, C++, JavaScript, Typescript, Swift, Java, C#, T-SQL, bash
- Hardware: Texas 2640 CPU, multiple I/O, multiple SmartPhones (iOS & Android)
- Environments: Microsoft Web Environment (IIS 8, c#, T-SQL on MS SQL Server 2017), AWS Cloud user (S3, EC2, Cloud Formation, RDS, Lambda, IAM), Cordova, Ionic, React Native

Gruppo MOL, Cercassicurazioni, Milano, Italy (2008 – 2017)
CTO eCommerce Insurance Platform & Team Leader Mobile Platform

- Insurance Platform CTO & Head of System Admins Group (June 2008 – September 2014),
- Head of Mobile Apps Development Group (September 2014 – May 2017)
- languages: Java, javascript, Typescript, bash, Swift, Objective C, ruby, sql
- Hardware: Dell (M1000e and M610 blades, blade and rack switches, Equallogic6000/MD3000 iScsi SAN and rack pc), Cisco, microtik, assembled rack pc (mainly msi and intel)
- Environments: ESXI and Proxmox hypervisors, linux, tomcat, mysql (partitioned tables and in replica), node/javascript/typescript, Cordova, Ionic,

TeamCity CI (for IOS apps only), Appium and Selenium for AT, CI and web scraping.

FFTech, (2002 – 2008)
FFTECH Founder and senior architect

Main Projects included:
- 2008: CTO CrediItaly Financial Services Portal. Sys & IT resources, HW & Net Management; Internal Services; Intranet Architecture; Coordination & Monitoring of IT Resources; Internal Loan & Mortgage Management & Intermediation Apps devel and maint. Env: Ms Windows Server 2003, Windows XP, .net & C#, MS-SQL Server 2005
- 2007 - 2008: Analyst & Programmer for ECU Programming Systems at Eltrac Polimatica. Re-architecting & Re-engineering of PTO functionality programming system for Iveco Trucks Electronic Control Unit (ECU) as part of their EASY ECU programming suite). Env: Microsoft .net 2.1 (Visual Studio 2005) & C#
- 2007: Search Engine applications in Geneva for ONU Labour Department (ILO) using Fast & Nutch: Full Environment Survey & Analysis, Service Architecture, Hardware & Applications Optimization, Search Service Customization, Development of Front-end & Interfaces for Web Consumers in Java
- 2005 - 2014: development & maintenance of wireless network, working on large (400 kmq) geo zone affected by digital divide: net setup, sys service & infrastructure maint, sys-admin (radio, OS, routers), etc. Env: Linux, Cisco, Alvarion, Mikrotik, Radwin, Ubiquity, OSBridge
- 2005 - 2006: Firmware devel (in assembly) for Italian Home Automation company. Microchip devices (PIC 1664), MPLAB-IDE, MPLAB ICE emulator
- 2004 - 2005: Dev & maint of 'seiconnesso', one of Italy's first Social Networks. Env: XML2SQR, Microsoft asp/VN/C++, Memcached, XML-based custom DB indexed using MS-SQL Server
- 2004: Development of 2 Web-based clinical tests distribution/management systems. Env: Microsoft, XML2SQR, VB/VBA/asp/C++, MS-SQL, Tamino)
- 2000 - 2014: Development of multi-environment apps using XML2: http://sourceforge.net/projects/xml2sqr/ for more details
- 2002 - 2004 Upon leaving as IT Manager, continued to be engaged in maintenance of the FreeFinance platform for what had become one of the leaving Italian Financial Services portals

Previous Experiences, (1984 – 2008)

- CTO at Freefinance/Virgilio – mortgage and insurance marketplace/comparator (2000 – 2002)
- Consultant on many different projects (1998 – 2000)
- Internship at INFN, during the thesis work (1994 – 1997, Italy, France and Switzerland)

- development of an arcade videogame on a Taito multiprocessors board (1989 – assembly and PROICE hardware Z80 emulator)
- development of a control system for ads panels (1985)
- development of arcade videogames on the Commodore 64 (1984 – 1986)

EDUCATION

Universita' degli studi di Milano (Milan State University), Milan, Italy
Physics Master degree, Electronics and data acquisition   1997

Liceo scientifico G. Casiraghi, Cinisello, (Mi), Italy
Maturita' scientifica (Secondary school degree)   1984

Other

- piano player
- car repairing and mechanics

In case of interest and/or for further evaluations, I can send a detailed version (15 pages...)