PERSONAL INFORMATION

Giovanni Franza



Via Prati Botta 16E, 6917 Barbengo Lugano Svizzera
0041762455534
gfranza@sicef.ch
www.hb9eik.ch

Cod. Fisc. FRNGNN56S21L424X
Sex Male | Date of birth 21/11/1956 | Nationality Italiana

POSITION

Computer Science Engineer

WORK EXPERIENCE

2015-Today

Consultant

ELAD

- Development of libraries to link ELAD radios to GNURadio environment.
- Development of the embedded program to manage electromedical vibrating platform.
- Development of internet monitoring of IoT devices.
- Development of transceiver remotization.
- Development of touchscreen drivers for RPI Linux embedded boards.
- Consultancies on Linux systems and tools.
- Development of a simple production tracking system.
- Development of geomapping of radio signal strength

Business or sector: Radio Equipment Manufacturer

2017-2018

Consultant

SiWeGO

- Responsible for development of Lambda APIs

Business or sector: Services

2008-Today

Owner

Studio Informatico Cabrini e Franza

- R&D, Project Leader, Security.
- Follows and administering many computer systems for AICA.
- Development of IT professional security personal certification schemes for AICA.
- Development of GrooveIT songs management system.

Business or sector: Computer Science Consultants

2005-2008

President

MG Engineering SRL

- Designs and implements the WiFi – WDS network, that allows library users in Cinisello Balsamo to connect to the Internet, taking care also of the legal aspects related to Pisanu regulation.
- Addresses the aspects of computers energy consumption, and the ratio between supplied MIPS and absorbed Watts.
- Takes part to the definition of hw/sw environment for IP Pool project of IT Star.
- Coordinates the development, release and maintenance activities of the web product for managing Spring project, on behalf of CESTEC.
- Is responsible for the system and network management of the redundancy aspects of the network installed for MG Engineering web farm.
- Taking part of Telematics Freedom Foundation, partecipating in “Civic room” project.
- Coordinated the development project for obtaining ISO 9000/vision 2000 certification.

Business or sector: Consulting Firm

© European Union, 2002-2013 | http://europass.cedefop.europa.eu

1997-2005

Owner

MG Engineering SNC

- Part of the EUCIP certification Italian group, as Italian Representative within the PDQ Management Board on behalf of AICA.
- Coordinates the development of ECDL tests using freeware and later opensource software on behalf of AICA.
- Implements security infrastructures based upon LRP (Linux Router Project) technology firewalls.
- Coordinates the Italian experts group in the definition of the IT Administrator certification on behalf of AICA.
- Designs and implements the porting of the client/server system on behalf of AIM-CMF for Periodici San Paolo to web technology.
- Coordinates FSE courses and further training activities within these courses on JavaScript ad Java and C++ on behalf of CIAM.
- Designs and implements a text retrieval system in client/server technology for Macintosh/Windows/UNIX systems on behalf of AIM – Fulmedia for Mondadori SpA.
- Participates to the definition and implementation of the public key security infrastructure architecture for bank transactions over the Internet.
- Participates to the implementation of secure e-commerce services realized by SSB-Società per i Servizi Bancari (Telepay system).

Business or sector: Consulting firm

1990-1997

Employee

Sindata SpA

- Collaborates for medium-large projects analysis and realization in business environments.
- Training activities, with the definition of specific courses on Unix system, Informix, SQL, and development environments.
- Maintenance and development of I/O libraries, using operating systems: UNIX (Olivetti X/OS, BULL BOS, IBM AIX, HP HP/UX, Interactive Unix 3.0, Novell UnixWare, ICL X6000, Digital ULTRIX), working in C language.
- Maintenance and upgrade of Sindata's CASE. It is a lower-CASE which, from a data dictionary, is able to generate complete programs for records management, and partial programs to be integrated in other programs.
- Internal and external training activities, with the definition of specific courses on Unix system, Informix, SQL and development environments.

Business or sector: Software house

1986-1990

Technical Director

Psion

- Coordinates the technical area (hot-line, customer consultancy, technical support for sellers, maintenance, development of applications for customers) of PSICOM – Italian exclusive reseller of PSION products (portable terminals).
- Development of a configuration system, based upon OTE specifications and aimed at "in field" maintenance of large groups of portable transceivers.
- Development of a orders collection and remote transmission for HOOVER Italia, which includes also emailing functions between headquarters and remote terminals, thus allowing the complete automation of orders collection and confirmation.

Business or sector: Computer importer and distributor.

1989-1990

Consultant

Hoepli

- Collaborates to reorganize and get to full capacity the computer centre, by optimizing all procedures (accountancy, invoicing, stock, shipments).

Business or sector: Publisher .

1985-1990

Consultant

PhENS

- Optimization of data access time on "Infofarm" procedures in COBOL on behalf of Molise Dati
- Analysis, development, installation, and maintenance of the USSL 72 – Magenta "Centro unico di prenotazione Ambulatoriale"

© European Union, 2002-2013 | http://europass.cedefop.europa.eu

Business or sector :Computer Science consultants .

1988-1989

Consultant

AGM

- Reconfiguration of production data gathering of SIMMENTHAL production lines in Monza, via a "Gould Modicon" controller.
- Implementation of the software for the AGI-Videoborsa service terminals – "AGI-4/88" project – on 68K boards using C in collaboration with Technint (Verona - Italy).

Business or sector :Computer manufacturer - OEM .

1984-1985

Consultant

Four Italsistemi

- Analysis, design and implementation of the remote reservation system for hospitals beds in the Milan area.

Business or sector: Computer and software trade.

1982-1984

System Analyst

Consulanti Associati

- Activities of analysis, installation, and configuration of all installations of S/1 IBS system

Business or sector Computer: trading and software development

EDUCATION AND TRAINING

2012-2016

Master of Science SUPSI in Engineering with specialization in Information and Communication Technology

EQF Level 7

SUPSI – The University of Applied Sciences and Arts of Southern Switzerland

- MP12_0001 Progetto Semestrale 12 CTU, GRADE 5.5
- USI_AI_006 Algorithm and Complexity 6 CTU, GRADE A
- CM_Block Block Module 3 CTU, GRADE A
- MP15_0003 Project 15 CTU, GRADE 4.5
- USI_AI_003 Modeling, Simulation, Optimization, Lab 3 CTU, GRADE A
- USI_AI_012 Modeling, Simulation and Optimisation 6 CTU, GRADE A
- M09454 Strategy Innovation and Project Management 6 CTU, GRADE B
- ALARI_DSP3 Digital Signal Processing 3 CTU, GRADE B
- M09434 Meccatronica 3 CTU, GRADE B
- MP27_0002 Thesis 27 CTU, GRADE 5.0
- USI_AI_013 Software Architecture and Design 6 CTU, GRADE B

2008-2012

Bachelor of Science SUPSI in Computer Science with specialization in Systems and Software Architecture

EQF Level 6

SUPSI – The University of Applied Sciences and Arts of Southern Switzerland

- M00001P Progetto di semestre 6 CTU, GRADE 6.0
- 00002P Progetto di diploma 14 CTU, GRADE 6.0
- M00003P Progetto di semestre 6 CTU, GRADE 5.5
- M01002P Analisi e algebra lineare 1 CTU, GRADE 9 A
- M01005P Analisi e algebra lineare 2 CTU, GRADE 5 A
- M01008P Matematica di base e discreta 9 CTU, GRADE A
- M01016P Matematica numerica 6 CTU, GRADEB
- M01017P Fisica e modellistica 6 CTU, GRADE A
- M02003P Fondamenti di informatica 1 CTU, GRADE 6 A
- M02004P Fondamenti di informatica 2 CTU, GRADE 6 A
- M02006P Algoritmi e strutture dati 6 CTU, GRADE A
- M02008P Programmazione a eventi, parallela e concorrente 6 CTU, GRADE A
- M02010P Sistemi operativi 4 CTU, GRADE A
- M02011P Ingegneria del software 4 CTU, GRADE A
- M02012P Grafica computerizzata 4 CTU, GRADE A
- M02014P Architetture e sistemi software di rete 6 CTU, GRADE A

© European Union, 2002-2013 | http://europass.cedefop.europa.eu

- M02015P Basi e sistemi di gestione di dati 6 CTU, GRADE A
- M02016P Ambienti operativi 3 CTU, GRADE A
- M02017P Qualità del software 4 CTU, GRADE A
- M02018P Fondamenti di sicurezza delle reti e dei sistemi 4 CTU, GRADE A
- M02019P Applicazione delle reti telematiche 6 CTU, GRADE A
- M02020P System Management 3 CTU, GRADE A
- M02025P Fondamenti di telematica 3 CTU, GRADE A
- M02027P Sviluppo software 7 CTU, GRADE B
- M02028P Architetture e sistemi software di rete 1 CTU, GRADE 8 A
- M03006P Architettura dei calcolatori 6 CTU, GRADE A
- M03007 Programmazione di microcontrollori 3 CTU, GRADEA
- M04019 Gestione e controllo sistemi 7 CTU, GRADE B
- M05007P Inglese B2 6 CTU, GRADEB
- M07001P Economia aziendale 5 CTU, GRADE A
- M08001P Programmazione orientata agli oggetti 4 CTU, GRADE A
- M08002P Algoritmi avanzati e ottimizzazione 5 CTU, GRADE B
- M09030P Gestione progetto 3 CTU, GRADE A
- M01033 Analisi dei segnali , probabilita e statistica 5 CTU, GRADE C

2010-2010

International summer school 2010 on Advanced Applied Physics (AAP) Certificate

Hochschule RheinMain - University of Applied Sciences Wiesbaden Ruesselsheim Geisenheim

- Practice in Micro Systems Technologies
- Hydrogen and Fuel Cells Technologies

1970-1975

Perito industriale capotecnico per le telecomunicazioni

EQF Level 4

Istituto Tecnico Industriale Statale “A.Volta” - Trieste

PERSONAL SKILLS

Mother tongue(s): Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
	Exams held at SUPSI - Manno. B2.				
German	A1	A1	A1	A1	A1
	Internal diplom from Scuola MIGROS - Lugano. A1.				

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills

- Good communication skills gained through my experience as technical instructor and project coordinator

Organisational / managerial skills

- Leadership (for example, coordinating IT Administrator Certification Development Group of more than 10 persons)

Job-related skills

- Good command of quality control processes (contributed to the development of ISO 9000, vision 2000 procedures for MG Engineering srl)

Computer skills

- As an engineer in computer science my computer skills are listed under the section Education and Training, but also:
- Windows: Good competences in system administration and network administration.
- Unix/Linux: Excellent competences in system administration (both client and server side) (AIX/BOS/IRIX/SUNOS/SOLARIS/SVR4/HPUX/SuSE/Debian/Ubuntu).
- Unix/Linux: Excellent competences in network administration.
- Programming: Excellent mastery of C (K&R and ANSI), PHP, EDX, OPL, JavaScript, Basic, Visual Basic, Bash scripting, SQL (ANSI, Informix, MySQL versions) languages.

© European Union, 2002-2013 | http://europass.cedefop.europa.eu

- Programming: Good knowledge of Fortran 2 and 4, COBOL 77, Assembler (6502, Z80, 86K, 6303, 8086, PIC), Java, Business Basic, Visual Basic, Forth, C++, Perl, ADA, Python languages.
- Programming: Basic programming in Ruby language.
- Web Programming: Good knowledge of HTML, XML.
- Programming devices: Good knowledge of VHDL (realized and tested a simple CPU)
- Relational data bases
- Relational databases: Informix 2.10.03B - 7.1 (SE, ONLINE and OnLine Dynamic Server), C-ISAM and ESQL/C, MySQL, Oracle, PostgreSQL
- Text retrieval: BASIS, Fulcrum, Elasticsearch
- Networking: Excellent mastery of networks based upon the TCP/IP protocols, both local (LANs) and in networks interconnection (routing), wireless and wired.
- IT Security: Good mastery of aspects related to TCP/IP networks security, good mastery of aspects related to securing a system for Internet services supply (server-side), good mastery of theoretical aspects of encryption, good mastery of mechanisms related to the use and configuration of public-key encryption.
- Embedded platforms: Arduino, TI BeagleBoard, Raspberry PI.

Other skills

- Amateur Radio
- Project and installation of plumbing systems
- Lockpicking

Driving licence

- A
- B

ADDITIONAL INFORMATION

Publications
Presentations
Projects
Conferences
Seminars
Honours and awards
Memberships
References

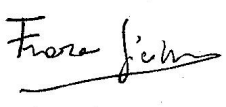
- G. Franza – M. Cabrini UNIX Flash Apogeo (Milano, 1997)
- M. Cabrini – G. Franza Office 2000 No problem McGraw Hill (Milano, 1999)
- M. Cabrini – G. Franza Office 2000 Mini No problem McGraw Hill (Milano, 1999)
- M. Cabrini – G. Franza Windows ME No problem McGraw Hill (Milano, 2000)
- M. Cabrini – G. Franza Windows ME Mini No problem McGraw Hill (Milano, 2000)
- M. Cabrini – G. Franza Internet Explorer 5.5 Visti da vicino McGraw Hill (Milano, 2000)
- M. Cabrini – G. Franza Office XP No problem McGraw Hill (Milano, 2001)
- M. Cabrini – G. Franza Office XP Mini No problem McGraw Hill (Milano, 2002)
- M. Cabrini – G. Franza Access 2002 No problem McGraw Hill (Milano, 2002)
- M. Cabrini – G. Franza Access 2002 Mini No problem McGraw Hill (Milano, 2002)
- AICA Gruppo di sviluppo M4 Uso avanzato delle reti McGraw Hill (Milano, 2002)
- AICA Gruppo di sviluppo M5 Sicurezza informatica McGraw Hill (Milano, 2003)
- G. Franza – M. Cabrini Sicurezza del tuo PC McGraw Hill (Milano, 2003)
- M. Cabrini – G. Franza Office 2003 No problem McGraw Hill (Milano, 2004)
- M. Cabrini – G. Franza Office 2003 Mini No problem McGraw Hill (Milano, 2004)
- G. Franza – M. Cabrini Sicurezza del tuo PC Mini McGraw Hill (Milano, 2004)
- M. Cabrini – G. Franza - P. Sgchör – E. Schininà – G. Zerbi Professione informatica – Vol. II: Realizzazione di sistemi informativi FrancoAngeli (Milano, 2004)
- M. Cabrini – G. Franza Guida a StarOffice ed OpenOffice.org per ECDL McGraw-Hill (Milano, 2004)
- R.Brambilla - M. Cabrini – G. Franza - P. Sgchör – E. Schininà Professione informatica – Vol. III: Esercizio e supporto di sistemi informativi FrancoAngeli (Milano, 2005)
- AICA Gruppo di sviluppo M4 Uso avanzato delle reti McGraw Hill (Milano, 2005)
- AICA Gruppo di sviluppo M5 Sicurezza informatica McGraw Hill (Milano, 2005)
- P. Schgör, G. Franza ed altri Professione informatica – Volume unico FrancoAngeli (Milano, 2007)
- Giovanna Sissa Il computer sostenibile. Riduzione dei rifiuti elettronici riuso dei pc e open source (Milano, 2008) – contributo: “Come risparmiare energia elettrica usando i PC”

ANNEXES

STATEMENT

I certify that the information contained in this CV is accurate and truthful.

Date: 10/11/2019 Signature:



© European Union, 2002-2013 | http://europass.cedefop.europa.eu