



## GIUSEPPE FERRARA

ABB, COMAU, KUKA, I4L OMRON  
Robot Programmer.

Expert in sheet metal processing and  
automated production processes.

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### CONTACTS

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### DATE OF BIRTH

Classe 1972

### HARD SKILLS

- ABB, COMAU, KUKA Programming
- Excellent communication skills
- Decision-making and problem-solving skills
- Computer skills

### LANGUAGES

Italian: Native

Portuguese: Advanced

English: Basic

## EDUCATION

### Electronics Technician and Mechanical Drafting Qualification

Frattamaggiore, 1985-1990

- **Skills** in electronics, electrical systems, and electrical drawings. Proficient in using CAD software for reading mechanical drawings. Experience in prototyping and electromechanical maintenance during company internships. Specialized in integrating mechanical and electronic design to optimize production processes.

### T.S.E. (Energy Systems Technician)

Avellino, 1995-1997

- Study of energy technologies: energy generation, distribution, and management.
- Experience in optimizing electromechanical systems for industrial and civil use.
- Interdisciplinary approach combining electrical, mechanical, and energy expertise to solve complex problems.

## PROFESSIONAL EXPERIENCE

**2018 – Present:** Specialist Robot Technician ABB, COMAU, KUKA, FANUC at AUTEC SUD SRL. Consulting, programming and customer support activities.

- Programming, configuration, commissioning, applications used, **CO2, Spot, Handling, Dispensing, Vision**

**2015 – 2018:** PMS (Professional Maintenance Specialist), FCA Pernambuco (Brazil)

- I have developed a software capable of analyzing all robots online, drastically reducing data collection and analysis times. It can gather all log files, programs, configuration files, and more from all robots within minutes. The software then processes the collected information, such as extracting all coordinates of welding points, performing a complete anomaly analysis, generating fault reports, top 10 anomalies, and more.
- Management, Maintenance, damage prevention on over 500 robots across 33 production lines.
- Management of the maintenance team and management of in-depth courses on the functionality, handling and programming of various types of robots.
- Design and implementation of software and hardware improvements based on experience gained during production.
- Programming of preventive and predictive maintenance activities based on WCM rules, applied to robot hardware and software.



## PROFESSIONAL EXPERIENCE

**2003 - 2015:** Head of Automation Department mainly at Robogest s.r.l. in Turin and other companies such as Partners, Nweco2000, Tecno A, Parsec, Autec Sud.

- Consulting, programming and customer support activities.
- Programming standards FIAT, FORD, VOLVO.
- PDL2 programming at COMAU Turin for the development of Handling and Spot Welding applications (COMAU standards).
- Development, installation and maintenance of software produced for private/public companies such as:
- I.P.L.A.M. S.p.A. of the I.T.C.A. group located in Melfi (assembly, installation, programming, maintenance and assistance for COMAU H series robots for handling and spot welding).
- Magneti Marelli in Caivano (repair, programming of COMAU S series robots for CO2).
- S.L.S in Caserta (c/s).
- General Motors in Gravatai, Porto Allegre, Brazil (assistance, maintenance and software correction of 21 Allen Bradley PLCs all networked with RsLogix 5).
- Electro - TOFAS in Turkey (programming of 4 COMAU robots for Maxi Siena bodywork).
- STEMA - EUROSTAMP in Longwy, France (assistance for COMAU S series robots for arc welding and H series robots for handling for Tecno A).
- Ford in Cologne, Germany (assistance, maintenance, programming of C3G Plus Series H robots).
- Nanjing, China (Robot programming with C3G Plus controls for welding train sides, for Tecno A).
- Tychy, Poland (robot programming, handling, spot welding, CO2 and TUCKER for Tecno A).
- Various plants in the industrial area of Melfi (software creation for COMAU H series and S series robots with C3G Plus and ABB controls, programming spot welding, handling, dispensing, TUCKER welding, etc. ...).
- Some TOWER plants, for wire welding, spot welding and handling with ABB robots.
- MAGNA (EAGLE BEND), Clinton, Tennessee, USA. C4G programming for Interpresse.
- TEKSID Poland C4G programming for Foundry (aluminum bases).
- FIAT MIRAFIORI and related industries in Turin, C4G programming for the MITO project.
- Ghent, Belgium, Volvo and Ford plant for programming new models and adaptation, using different types of robots, COMAU, C3g, C4g, C5g and ABB.

- **1999 - 2003:** Development and maintenance of software produced for private/public companies including:
- Quirinale (Rome): correction of an ACCELL database of the Constitutional Court on a Unix system for adjustments to the year 2000. [Once the functions to be modified to adapt them to the year 2000 onwards were identified and collected in an ordered list, we started with a backup, on tapes, of the entire system before making the changes. Prior to these changes, the data archiving from 2000 onwards was entered for 1900 onwards.](#)
- General Motors in Gravatai, Porto Allegre, Brazil (assistance, maintenance and software correction of 21 Allen Bradley PLCs all networked with RsLogix). [An excellent experience that allowed me to combine software development in the field of automation and information technology.](#)
- Infostrada/Wind (creation of Forms, modules and Ocx, in Visual Basic 6 on NT systems with Oracle 8 database and ASP pages). [All interfaces had to be developed in such a way as to be able to transform them from VB6 to ASP in order to have both client software and web pages with the same interfaces with the same functions.](#)
- SNAM and AGIP in Milan (development of Ocx and class modules in Visual Basic 6, reports in ACCESS on NT systems with Oracle 8 database). [We worked alongside an American company to develop a project for gas storage throughout Europe. At the end of the development of each interface, the presentation followed from the end customer.](#)
- Intesa Sanpaolo in Moncalieri, Turin (development of ASP pages of an intranet managing an MsSQL 7 database). [Using languages such as JavaScript, VBScript, html, on ASP pages, web pages were developed to give companies/maintainers the appropriate tools for managing maintenance activities to be carried out for the various branches of Intesa Sanpaolo located throughout Italy.](#)
- **1994 - 1999:** CPI (Conductor of Integrated Processes) at F.M.A. (F.I.A.T. Group) in Pratola Serra (Avellino), Assembly area:
- Start-up and operation of robotic plants using SIEMENS PLCs.
- Self-maintenance (programming and execution of direct interventions on machinery, aimed at increasing plant efficiency).
- Use of software systems such as S.I.G.MA. (Material Management Information System) for material handling between warehouse/container and management of material present in the area of use.
- Verification of maintaining the productive capacity of a part of the plant and work equipment in compliance with the established quality levels.



## PROFESSIONAL EXPERIENCE

### 1992 - 1994: Management of an electrical materials store:

- Sales manager and responsible for managing incoming and outgoing materials in a store of electrical materials for civil and industrial use.

### 1992 - 1992: Electrician at COMES Campania S.r.l.:

- Industrial electrical systems for assembly and wiring of busbar trunking (ventilated, lighting, bar and cabinets).

## PROFESSIONAL COURSES

- Advanced COMAU Robot Course, programming, spot welding, CO2, handling, dispensing.
- ABB Robot Course, programming, spot welding, CO2, handling.
- MOTOMAN Robot Course, CO2, handling.

## MILITARY OBLIGATIONS

- Completed with the rank of Non-Commissioned Officer in the Navy.

## COMPUTER SKILLS

- Operating systems such as MS DOS, Windows 2000/XP/Vista/8/10/11, Nix Systems.
- Software such as Office and related macros, 2D/3D CAD, MsSql, Access, Oracle, JRUN Server, Tomcat and other HTML/JSP/ASP servers.
- Programming languages such as Visual Basic, ASP, VBScript, JavaScript, PHP, SQL, PDL2 for COMAU Robots, RAPID for ABB Robots, KRL for KUKA robots.
- Knowledge of CO2 and Impact welding procedures, and related issues.
- This is a straightforward translation. However, depending on the context, you might want to be more specific about the level of knowledge or experience with each item. For example, instead of just listing "CAD 2D/3D," you could say "Proficient in 2D/3D CAD software" or "Experience with various 2D/3D CAD programs."

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