



I'm a versatile Senior Automation Engineer with extensive experience in managing automation projects and skilled in designing, programming and commissioning custom-made solutions as well as conducting training sessions and offering worldwide after-sales technical support. I have a multidisciplinary background and work experience across various industries, which has helped me develop a strong culture of teamwork, knowledge sharing, and a constant drive for continuous improvement.

## Personal & Contact Details

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## Work Experience

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**Jul 2022 - Today** | **Raymarine Italy SRL - Marine Electronics | Limbiate – Italy**

### Senior Automation Engineer

#### A | PLC Software & HMI Development - Vessel Automation Projects

Management of vessel automation projects, from initial analysis and requirements gathering, to cost definition and preparation of technical specifications. Working autonomously and in direct contact with shipyard managers, dealers, or boat owners, overseeing the entire process, from software and HMI development to final commissioning, conducting SATs, and providing customer training.

##### 1. Project Definition

- Acquisition of the customer requests and project technical specifications
- Evaluation of third-party systems integrations
- Preparation of proposals for the automation logics to implement, the sensors and the technical solutions to adopt
- Definition of the I/O list

##### 2. Technical Pre-sales

- Project cost definition

##### 3. Programming

- Software development: implementation of the I/O list and the requested project logics in CODESYS and integration of third-party systems via Modbus, Canbus or NMEA2000 communication protocols
- HMI development: design of the graphical layouts and assets using Exor's JMobile suite

##### 4. Installation & Commissioning

- Final delivery & Site Acceptance Tests

##### 5. Customer Training

- On-site/remote training for OEM managers or end-users

#### B | Worldwide After-sales Technical Support

After-sales support, troubleshooting and management of modification requests.

- On-site and remote troubleshooting activities
- Coordination of external service dealers and partners for onboard interventions
- Software updates

#### C | Training

- Annual courses and presentations of new products to external service dealers and partners
- Participation in boat shows

**Jan 2020 - Jul 2022** | **Dometic Italy Marine SRL - Marine HVAC | Nova Milanese - Italy**

### Industrial Automation Engineer

Involved in various projects and carried out a range of responsibilities in an extremely dynamic, demanding and customer-focused market, like the luxury yachts and superyachts industry. Responsibilities included a wide range of tasks, from Field Service Support and Product Compliance for marine standards to Product Validation & Testing and coordination of Product Development.

#### 1. Field Service Support

- Onboard and remote troubleshooting activities related to communication between HVAC system control boards and third-party BMSs for yachts and superyachts.

- Conducting meetings with the Shipyards managers and external system integrators for the definition of the project's requirements and timelines
- Coordination of external service dealers and partners for onboard interventions

## 2. Technical Documentation

- Preparation and updates of installation and operation manuals
- Preparation of technical intervention reports

## 3. Product Development & Product Compliance

- Coordination of quality control tests
- Coordination of the external partners involved in product development/improvement projects

### May 2019 - Aug 2019 **BMI Group - Roofing & Waterproofing | Pavia - Italy**

#### Internship - Lean Engineer

Application of the main Lean Manufacturing tools and principles learned during the MSc degree, such as the Fishbone diagram, the 5S and the SPS, the definition of SOPs, KPIs and preparation of Pareto charts, as well as the supervision of safety procedures and standards.

- Observation and recording of the SMED activities in the production line
- Participation in daily SPID sessions with the mid-level managers, analyzing safety and quality issues, KPI results and improvement proposals
- Participation in quality control laboratory tests

### Apr 2014 - Mar 2018 **Siemens S.p.A - Smart Grid & Energy Distribution | Milan - Italy**

#### Electrical Network Designer

Reconfiguration of the electrical network, using Siemens ST system with advanced SCADA and DMS (Distribution Management System) functions and integrated with ST-WEB application, for HEDNO S.A. Greece (Hellenic Electricity Distribution Network Operator S.A).

- Redesign of the high and medium voltage networks for the migration of the old SCADA system to Siemens ST system
- Participation in meetings and FATs with the customer
- After-sales technical support
- Preparation of presentations, manuals and reports in Italian, English and Greek

### Nov 2015 - Feb 2016 **Padana Cleanroom SRL | Cremona - Italy**

#### Internship - Mechanical Engineer

Design and structural dimensioning of a CNC bending machine support frame. Structural analysis using applied mechanics principles, 3D modeling and Finite Element Analysis simulations with Autodesk Inventor. The project was developed as the final thesis project for the BSc in Mechanical Engineering, with a major in Mechanical Design.



## Language Skills



Mother tongue



Professional  
Working Proficiency



Professional  
Working Proficiency



## Tools & Skills

### Programming

C++  
Matlab/Simulink  
CODESYS (Structured Text,  
Continuous Function Chart)  
JMobile (HMI design)

### Comm. Protocols

NMEA2000  
Canbus/J1939  
Modbus/RS485

### Microsoft Office

Microsoft Word -  
Excel - Power Point -  
Outlook - Teams

### CAD

Autocad  
Autodesk Inventor

### Graphic Design

Figma  
Illustrator  
Photoshop



## Training & Workshops

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- Dec 2023 **Machine Learning with Python**  
POLIMI Graduate School Of Management
- Feb 2022 **Refrigeration Methods - Certified by Associazione dei Tecnici del Freddo**  
Centro Studi Galileo
- Dec 2021 **c.Suite & c.Web - c.pCO family controllers development & programming suite for the of HVAC/R units**  
CAREL INDUSTRIES S.p.A
- Sep 2017 – Feb 2018 **Technologies and Procedures for Cleanrooms (Basic and Advanced course) - Certified by the ICCCS and ASCCA**  
Politecnico di Milano - AirLab Green & Hi-Tech Air Conditioning
- Nov 2017 **6 Sigma Study**  
Six Sigma Yellow Belt Professional



## Education

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- Apr 2021 **MSc in Industrial Automation Engineering, major in Industrial Technologies & Management**  
Università di Pavia | Pavia – Italy
- Feb 2017 **Single Courses in Automation and Control Engineering**  
Politecnico di Milano | Milan – Italy
- Machine Design
  - High-Tech Entrepreneurship
  - Model Identification and Data Analysis
- Feb 2016 **BSc in Mechanical Engineering, major in Mechanical Design**  
Politecnico di Milano | Milan – Italy
- Jun 2007 **Apolytiron**  
Ayios Ioannis Lyceum | Limassol – Cyprus



## Military Service


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- Jun 2007 – Aug 2009 **Republic of Cyprus**  
**Officer**  
Telecommunications Department



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