Enrico Gorelli

Automation Engineer / Software Developer

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Experience

>> Automation Engineer / Software Developer
Topcast S.r.l.

2020 - Present

Industrial automation software development, HMI and data logging of precious metal refining plants and industrial plants in general, plants for production of metallic powder with VIGA / EIGA technology

www.topcast.it

- Conduct feasibility study
- Perform safety risk analysis
- Perform process analysis
- Write internal software specification
- Perform automation hardware configuration and selection of automation components
- Integration
- Develop and debug PLC software (**SIEMENS TIA PORTAL V16**)
- Develop and debug HMI software (**WINCC V16**)
- Develop and debug data acquisition software (**.NET Framework, SQL, VBA**)
- Partecipate on writing manuals and other kind of related documents
- Commissioning
- Maintenance and develop of plc and C# libraries

>> Automation Engineer / Robotic Application Developer
Pharma Integration s.r.l.

2019 - 2020

Robotic automation software development for pharmaceuticals. www.pharma-integration.it

- Define finite state machine for robotic motion
- Develop PLC software (**Zenon SoftPLC, ZENON Scada, DENSO WinCaps**)

>> Automation Engineer / PLC Software Developer
Cassioli S.R.L.

2016 - 2019

Development of PLC software for automatic warehouses and material handling systems. www.cassioli.com

- Develop PLC Software (**TIA PORTAL V15.1, CODESYS 2.3, Lenze EASY ENGINEERING**)
- Develop HMI Software (**WINCC V15.1**)
- Commissioning

>> Automation Engineer / PLC Software Mantainer
Europrogetti S.R.L.

2015 - 2016

Maintenance and customisation of PLC software for paper converting machines. www.epsrl.it

- PLC software maintenance and customization (**Schneider SoMachine, CODESYS 3.5, Omron CX**)
- Execute machine start-up
- Implement software modification as requested by the customer
- Commissioning

>> AOI / Pick & Place Technician
MB Elettronica S.R.L.

2012 - 2015

Automated optical inspection (AOI) and Pick & Place machine technician. www.mbelettronica.com

- Develop and debug AOI Saki ed Omron machine software **AOI Saki ed Omron**
- Develop and debug YAMAHA Pick&Place machine software **Pick & Place YAMAHA**
- Execute functional testing as customer specification
- Execute automated testing

Education

Bachelor Degree in Automation Engineering
Università degli studi di Siena

2008 - 2011

Laurea triennale in ingegneria dell'automazione.

- 97/110

High School Diploma in electricity and electronics
IPSIA Giovanni da Castiglione

2003 - 2008

- 87/100

Summary

Automation Engineer and PLC Developer with a great experience in numerous industrial automation fields; an expert in **SIEMENS** and **CODESYS** platforms; process data acquisition and reporting software developer; good knowledge of Microsoft Visual Studio and SQL database.

Languages

Italian

English

Interests

- Car motorcycle and motors.
  I am fascinated by mechanics; in my spare time I love restoring old motorcycle.
- Science, technology and industry.
  I like keeping up with new technologies and I am always updated on the latest products on my work field.
- Cycling and swimming.
  I love bicycle and riding bikes and sometimes I like to restore or build them for me and my friends; during winter I like going swimming.

Skills

.NET Framework .NETCore

SQL

Linux

IEC 61131-3

SIEMENS STEP7 / TIA PORTAL

SIEMENS WINCC

CODESYS V2.3 / 3.5