Marco Masenello

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📍 Fino Mornasco (CO) Italy

Profile

Software Engineer with 15+ years of experience in industrial automation, software design and development.

Objectives

My dream job?

A big ambitious project with a great team!

Always looking out to learn something new and become master of my trade.

I'm interested in any project where software development has a key role, especially in automation, IOT or biomedical fileds.

Soft Skills

- Effective comunicator
- Focused on results
- Problem solver
- Organized

WORK EXPERIENCE

Digitalization specialist – Ratti S.p.A.

2022 - Present

- Design and development of MES software platform for shop floor management (.NetCore + Angular + MongoDb/Ms Sql). Core features:
  - o Process data collection and analysis
  - o Machine set up parameters management
  - o Plant status visualization
  - o Product tracking
  - o Reporting
  - o Interfaces with ERP systems

Software design manager - Alifax

2020 – 2022

- Design and development of in vitro diagnostics software for biomedical applications (.Net + Wpf + Python).
- Team management (5 resources + external contractors)
- Project documentation according to IEC62304

Software team lead MES – SMS Group S.p.A

2014 – 2020

- Design and development of MES software platform for steel rolling mills management (.Net + Wpf + Oracle/Ms Sql).
- Team management (3 resources + external contractors)

Automation engineer – SMS Group S.p.A

2006 – 2013

- Design and development of real time machine control software (Siemens Plc, Wonderware/ Intouch HMI)

EDUCATION

University of Padua – Master degree in computer engineering

2001 – 2006

- Specialization : automation
- Main study subjects : mechatronics, robotics, systems theory, automatic controls, model identification
- Thesis: software real time control for DAANS neuro surgery robot (C++, VxWorks, Java)
- Final result: 94/110

Technical school ITI A. Malignani Udine – Degree in elechtronics

1995 - 2000

- Final result: 78/100

Languages

- English (advanced level)
- Spanish (basic level)
- Italian (mother tongue)

Hobbies

- Sport climbing
- Enduro mountain biking
- Photography
- Amateur guitar player

SKILLS

Software development

- Desktop applications (C#, Wpf, Entity framework)
- Databases (Oracle, MS Sql, Mongo Db)
- Web Backend (ASP Net Core, EF Core)
- Web Frontend (Angular)
- Python (OpenCv, Pandas, Numpy, Scikit Learn, Dash)
- Message brokers (Rabbit Mq)

Dev Ops

- Version control (Git, SVN, Jenkins)
- Containers (Docker, Kubernetes)

Team and project management

- Project management (Jira, Bitbucket, Confluence, Trello)
- Microsoft Office

Industrial automation

- PLC programming (Siemens, Allen Bradley, Beckhoff)
- HMI programming (Wonderware Intocuh, WinCC, Ifix)
- Prototipation and simulation (Matlab, Simulink)
- Data acquisition (OPC UA/DA)