

WORK EXPERIENCE

Bitron Industrie S.p.A

Sector: Automotive

Firmware Architect - *Period:* September 2018 / Onward (Grugliasco)

- Interface between project team and SW platform team: development, planning and support
- Platform SW module configuration, documentation and development according to HW constraints and customer requirements

[*Programming language:* C | *Tools:* IAR Embedded Workbench (uC Renesas RL78), Vector Geny/CANoe/CandelaStudio]

Magneti Marelli Automotive Lighting and Body Electronics

Sector: Automotive Body Computer

SW Platform Reference Designer - *Period:* November 2017 / September 2018 (Orbassano)

- SW platform diagnosis teams leader (Italy and India) for all projects
- Define the planning activities according to SW Application Reference Designer and customer requests

[*Programming language:* C | *Tools:* Fujitsu Siemens Softune (uC FR81 family), Vector CANalyzer/CandelaStudio, DIAnalyzer, Microsoft Project, QA-C | *Standard:* AUTOSAR]

SW Application Reference Designer - *Period:* December 2014 / November 2017 (Orbassano)

- SW team leader of 952 project (Alfa Romeo Giulia)
- Responsible to plan and manage the SW development process

[*Programming language:* C | *Tools:* Fujitsu Siemens Softune (uC FR81 family), Vector CANalyzer/CandelaStudio, DIAnalyzer, Microsoft Project, QA-C | *Standard:* AUTOSAR]

Senior Software Designer - *Period:* November 2014 / December 2015 (Orbassano)

- SW developer according to the customer requirement (Vehicle Function)

[*Programming language:* C | *Tools:* Fujitsu Siemens Softune (uC FR81 family), Vector CANalyzer/CandelaStudio, DIAnalyzer | *Standard:* AUTOSAR]

TXT e-solutions

Sector: Automotive Body Computer

Embedded Software Engineer - *Period:* February 2012 / November 2014

- Consultant at Magneti Marelli Automotive Lighting and Body Electronics (Orbassano)
- SW Developer of Vehicle Function according to the customer requirement

[*Programming language:* C | *Tools:* Fujitsu Siemens Softune (uC FR81 family), Vector CANalyzer/CandelaStudio, DIAnalyzer]

Software Engineer Model Based Design - *Period:* December 2011 - February 2012

- Consultant at Magneti Marelli Automotive Lighting and Body Electronics (Venaria / Orbassano)
- Software modeling with Matlab Stateflow
- Automatic generation of C code from Simulink models and Stateflows

[*Programming language:* C, MBD (Model Base Design) | *Tools:* Matlab, MathWorks Simulink, dSPACE TargetLink, Fujitsu Siemens Softune (uC FR81 family), Vector CANalyzer/CandelaStudio, DIAnalyzer]

Magneti Marelli Infotainment and Telematics

Sector: Automotive Infotainment

System Integrator and Validator - *Period:* December 2011 / February 2012 (Venaria)

- SW integration, configuration and function test on a system Linux In-Vehicle Infotainment Embedded
- Projects: Platform LUPIN (Linux Unified Platform for Infotainment); HMI (Human Machine Interface) for EntryNav Project ([BMW](#))

[*Programming languages:* C++, Java, OpenGL, Qt, QML, UML | *Tools:* WindRiver toolchain, Enterprise Architect]

PERSONAL SKILLS

- **Languages:** Italian (native language) | English (B2 – Certificate IELTS 6.0)
- **Programming Languages:** C³, CAPL², MBD (Model-based design)², C++², Java², C#², Assembler¹, Python¹, OpenGL¹, UML¹, Qt¹, QML¹, PHP¹
- **Tools:** IAR Embedded Workbench³(uC Renesas RL78), Fujitsu Siemens Softune³(uC FR81 family), DIAnalyzer³, Vector Geny¹, Vector CANalyzer³, Vector CandelaStudio³, Vector CANoe², Microsoft Project², QA-C², Matlab², MathWorks Simulink², dSPACE TargetLink², IBM Rational Team Concert², IBM DOORS², Enterprise Architect², Subversion², Git², Chrysler Diagnostic Application¹, Venus Iveco¹, WindRiver toolchain¹, TeamCenter Siemens¹, TestLink¹
- **Operating Systems:** Real Time OSEK OS², Linux², Windows²
- **SBC (single-board computer):** Raspberry Pi¹
- **Protocols:** CAN², LIN², OSI model², MOST (Media Oriented Systems Transport)¹, D-Bus Inter-Process Communication¹
- **Standards:** MISRA C³, AUTOSAR², ISO 26262¹

Level of knowledge: 1 – Basic | 2 - Intermediate | 3 – In depth

EDUCATION AND TRAINING

- **Master of science in computer engineering (Politecnico di Torino)** Year: 2010 | Grade: 107/110
 - Thesis title: “Dependability study of a Java Virtual Machine for Embedded Systems”
 - Thesis developed together with Infotainment and Telematics department of [Magneti Marelli](#) (Venaria)
- **Degree in Computer Engineering (Politecnico di Torino)** Year: 2008 | Grade: 97/110
 - Thesis title: “ECM Alfresco-OpenLDAP. Study and implementation of a new user authentication feature”
 - Thesis developed together with [Pro-Logic Informatica](#) (Torino)
- **High school leaving qualifications (Istituto Giuseppe Peano di Torino)** Year: 2004 | Grade: 94/110
 - Liceo Scientifico Tecnologico

ADDITIONAL INFORMATION

- I like to increase my skills during my free time. E.g: I created an Android application [Articolo48](#)

I authorize the use of my personal data in accordance with Article 13 of Italian Legislative Decree number 196/2003

27 March 2020