MAHMOUD RUSHDI

Embedded Software Engineer

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github.com/mrushdi

A senior software / systems engineer, with **10 years** of experience focused on embedded software design, development, testing, integration and optimization. Skilled in requirements engineering and Modeling.

MAS Embedded Systems

University of Lugano 🏛 Switzerland

Experienced in Automotive architectures including the **classic AUTOSAR** and the **adaptive AUTOSAR**. Accomplished challenging projects targeting ADAS and ASIL-D **safety critical** systems.
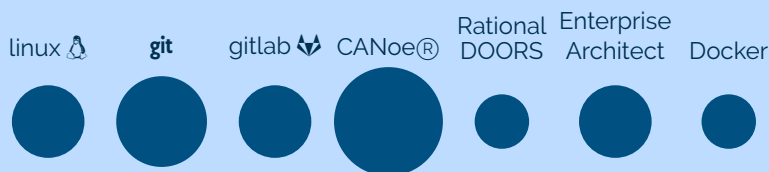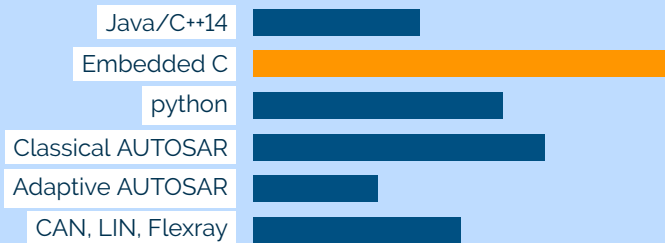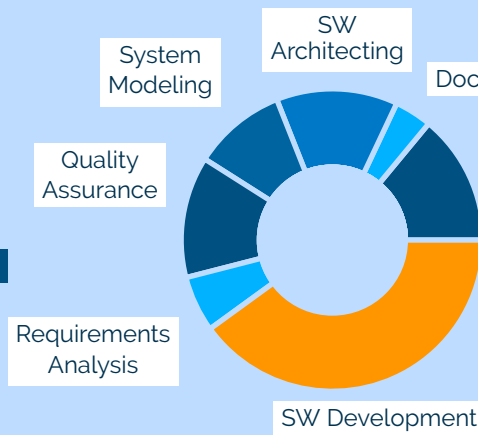
EXPERIENCE AND EDUCATION

2020

Experience | Events | Education

1/2017 joined **fortiss GmbH**

5/2014 joined **Avelabs**

12/2013 acquired **master's** degree

12/2012 joined master's program

10/2011 joined **Intel**

7/2008 joined **Valeo**

1/2007 joined a mobile operator

8/2006 acquired **bachelor's** degree

2006

SKILLS AND TECHNOLOGIES

LANGUAGES

- Arabic (native)
- English (c1)
- German (b21)

CERTIFICATIONS & LICENCES

- Scrum master
- Scrum product owner
- Driving license (A & B)

System Modeling
SW Architecting
Documentation
Testing
Quality Assurance
Requirements Analysis
SW Development

Java/C++14
Embedded C
python
Classical AUTOSAR
Adaptive AUTOSAR
CAN, LIN, Flexray

linux 🐧 · **git** · gitlab · CANoe® · Rational DOORS · Enterprise Architect · Docker

AUTOMOTIVE EXPERIENCE 🚗

6 years

of experience with **Valeo, Autoliv, BMW**

Plus **3** more years of research projects with **Elektrobit**, **Continental**, and **Energica Motor**, including an ASIL-D ECU according to **ISO 26262**.

Airbag ECU
Camera ECU
ECU Emulation
climate control ECU