

# ISLAM WAHDAN

Embedded software developer



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islam-wahdan

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## WHO AM I?

I have over 12 years of experience developing embedded software across Automotive, IoT, and Light EV domains. My expertise spans low-level firmware, communication protocols, and real-time systems. As a certified software architect, I focus on robust software design, scalability, and maintainability. Known for strong analytical and debugging skills, I excel at solving complex technical issues and optimizing embedded systems for performance and reliability.



## EXPERIENCE

10/2025 – present **CorEmbed**

*Embedded SW developer and Founder*

I help companies bring their hardware to life through robust, efficient, and scalable firmware and embedded software solutions.

4/2021 – 10/2025 **Dott - Tier**

*Senior embedded SW engineer*

Working in a team responsible of developing a high end IoT solution for electric micro-mobility vehicles (E-Scooter and E-Bikes) worked on Telemetry modules, Vehicle control unit and BMS (Battery management system)



11/2019 – 4/2021 **Etergo B.V.**

*Senior embedded SW engineer*

Member of a small team responsible for development/testing and maintaining the SW for different ECUs in the company's first EV product (The AppScooter)



5/2018 – 11/2019 **Pycom B.V.**

*Lead Embedded SW Engineer*

Leading Firmware Development activities for Pycom IoT products.  
Development and maintenance of Firmware for Pycom IoT development boards and OEM projects Integration.

Leading Scrum process and interaction with Customers and providing support for Integration and Issues debugging.



2/2017 – 5/2018 **ICT Automatisering B.V.**

*Software Designer*

Contributed to the development of an in-car Connectivity Box with emergency call functionality for Audi, as part of a 10-member Scrum team. Worked on AUTOSAR 3.2



10/2013 – 2/2017

### Valeo

*Senior Embedded Software Engineer*

Worked on multiple automotive projects (Renault, Daimler, Volkswagen, Toyota) with focus on AUTOSAR integration, driver development, diagnostics, and HW-SW integration. Hands-on experience in communication stacks, OS configuration, and debugging. Delivered process improvements by developing automation tools in Perl and C++.

**AUTOSAR** **Device drivers** **OBD** **CAN** **RTOS** **LIN**

1/2016 – 6/2016

### Freelance

*Software developer*

Development ( using C# and MySQL ) and deployment of a POS : Point of Sale System for a big Restaurant in Cairo.

**C#** **MySQL** **.NET**

## EDUCATION

2005 – 2011

### German university in Cairo

*Bachelor's Degree in Mechatronics engineering*

Overall Degree: Very Good with Honors , GPA:1.62

## CERTIFICATES

2025

### ISAQB - Certified Professional for SW Architecture

*Link to Certificate*

2025

### Bootlin - Embedded linux System development

## LANGUAGES

**English** - Bilingual

**Arabic** - Native

**Dutch** - Basic

## HOBBIES

I love playing squash and PC games :)