





Abdelrahman Ibrahim

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Education

- **Ain Shams University, Egypt** Mechatronics Engineering, B.Sc. Sept. 2013 – July 2018

Skills

Programming skills:

- C/C++
- Python
- Matlab

Fields:

- Embedded Systems
- Machine Learning
- Computer vision

Tools:

- Autosar Davinci Developer and Configurator
- Isolar A and B
- EB Tresos
- Autosar Builder
- CANOE
- Jira / Confluence /Jazz
- Plastic / GitHub / Git
- ISystem / Lauterbach's TRACE32
- Vector Cast

Electronic controllers:

- Renesas RH850
- Infineon AURIX TriCore
- Jetson Tx2, Nano

Language skills:

- Arabic: Native
- English: Advanced C1
- German: A2

Professional Experience

Senior SW Engineer – Techno Welle GmbH, Germany May. 23- Present

- Implement Different SWCs (NVM, OBD, Histogram and Passive discharge)
- Configured different modules in the Memory, Communication and mode management stacks.
- Configured safety modules Flstest and ECM
- Implement CAPL scripts and test modules to reproduce the SW Bugs
- LDF and DEXT Integration

Senior SW Engineer – Swift Act, Egypt

Oct. 22- Apr.23

- Configured E2E for CAN messages.
- Integrated DBCs and CDDs.
- Making the Analysis of SW requirements.

SW Engineer – ExpleoGroup, Egypt

Jan. 22- Sep.22

- Configure the NVM module.
- Debugging the Matlab generated code and reporting the findings to the Application team.
- Configured Can Signals.

Embedded SW Engineer – Avelabs ,Egypt

May. 19- Dec21

- Creation of NVM blocks using DaVinci Developer and Davinci Configurator.
- Implement different types of Indication flags to detect any failures in the NVM operations.
- Creation of SWCs for Application Layer and RTE Ports using Vector DaVinci Developer.
- Perform (Unit Testing), Using Vector cast, CANoe, and Lauterbach Trace32 tools for fixing software bugs.
- Dealing with JIRA and Plastic tool for tracking the tickets and applying the process of branch merging.

Courses

- AWS Certified Machine Learning - Specialty
- Udacity Machine Learning Nanodegree
- Udacity Self Driving Nanodegree
- Udacity Sensor Fusion Nanodegree
- Udacity C++ Nanodegree
- Udacity Computer Vision Nanodegree