Elabbas **Salah**

SOFTWARE ENGINEER

114 Assr elkhdawey, 99-ELkhdawey Sherif Street, Alexandria, Egypt

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Summary

Got a Bachelor of electronics and communications engineering program with Good grade

Skills

Configuration tools	Vector Davinci Configurator Tool,Vector Developer tool, Vector Davinci Scripting, Vector Davinci Cmd.
Standards	Calssic AUTOSAR, Adaptive AUTOSAR, Unified Diagnostic Services (ISO 14229).
Software Tools	Vector CAnoe,Vector Cast,Eclipse,Gdb,Autosar XMl Editor, VSC,Vector VTT,Enterprises Architect,Doxygen.
Software Management	CoreALM "TeamForge", Nexus, Git , Git Extension, GitHub, Conan.
Software HighEnd Tools	Yocto, Posix, Qemu, QT5
Programming	C/C++, C++(11/14),OOP,Python, Bash, Batch, CAPEL,UML,Groovy, Matlab,CMake,Make.
Languages	Arabic, English, Italian.

Experience

Classic Autosar | V-Core | Valeo
Cairo, Egypt

STANDARD SOFTWARE ENGINEER
Oct. 2021 - Present

- Responsible for analyzing and implementing software requirements.
- Integrating, Configuring and testing of AUTOSAR stacks (Diagnostic, Communication, Memory, Mode management, Network management).
- Good knowledge in configuration and integration and testing of Autosar Ethernet Stack.
- Understanding of UDS protocol [ISO 14229-1].
- Apply standard software guidelines at components Implementation including MISRA-C rules and Valeo naming rules.
- Good knowledge of Autosar E2E.
- Automating the configuration , Testing and merging different packages using Vector tools or Python scripts.
- A-SPICE L2 deployment.
- Understanding of Agile work flow.

Adaptive Autosar | Geeds | Valeo
Cairo, Egypt

INTERN SOFTWARE ENGINEER
Nov. 2020 - Aug. 2021

- Good knowledge of Adaptive Autosar Work flow (development, integrating, Deployment).
- Understanding of Service oriented Architecture Concepts.
- Good Knowledge of service UCM sub-module, Centralized service UCM-Master and Fundamental Stack(ara::Com, ara::EXEC).
- Good knowledge of Yocto Project, Qemu and Posix.
- Good knowledge of Linux commands and OS basic concepts.
- Good knowledge of SOME/IP.

Electronics | MasterTechCo.

INTERN ELECTRONICS ENGINEER

JUL. 2020 - Sep. 2020

- Restructured some machine-like CNC, shellers, servers, Cico Centrals, Cico cell phones, and machine drivers
- Trained on how to design relevant circuits for ECUs.
- Implemented power supplies for small and critical control circuits.

Professional Trainings | VALEO ─────────────

V-Core

Cairo, Egypt

SOFTWARE ENGINEER

Oct. 2021 - PRESENT

- AUTOSAR Communication stack.
- AUTOSAR Diagnostics stack.
- AUTOSAR Ethernet Stack.
- AUTOSAR Application Software (RTE).
- AUTOSAR Requirement Management a long softwrare Life cycle
- AUTOSAR Introduction to Adaptive Autosar

Projects ─────────────

P2 Daimler Projects

Cairo, Egypt

AUTOMOTIVE PROJECT

Oct.2021, Jun.2021

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P2 VW Projects

Cairo, Egypt

AUTOMOTIVE PROJECT

Oct.2021, Jun.2021

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Update And Configuration Management in Adaptive Autosar Platform

Cairo, Egypt

GRADUATION PROJECT MENTORSHIP BY VALEO

Dec.2021, JUL.2021

- Implemented a system that ensures robust, fail-safe, and secure OTA update.
- Developed UCM, UCM MASTER, Driver Application, OTA Client, OTA Server, and OTA Website.
- Developed Update And Configuration Management Subordinate Release 19/11 to meet software specifications of Autosar organization Release 20/11.
- Implemented Update And Configuration Management Master as Centralized service over SOME/IP that orchestrates the multiple UCMs in different nodes in a network of vehicles and control update campaign flow to All UCMs Subordinate.
- Implemented OTA Client as Application in communication with backend to fetch vehicle packages which needed to update and Polling of an update is available.
- Implemented Driver Application to request a transfer, process, or activation permission from the vehicle driver and Notify vehicle driver of safety and security measures he has to apply to the vehicle in order to proceed to the next step into the update | campaign.
- Built Image and Sdk for Raspberry pi 3 to Support QT5,SSH,Wifi and Ethernet that are not compatible with Release 19/11.

Education

Alexandria University of Engineering   *Alexandria ,Egypt*

B.E. in Electronics and Communications   *Sep. 2016 - Aug. 2021*

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