

# ELABBAS SALAH

## Software Developer

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Abas Salah

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### EXPERIENCE

#### Valeo, Cairo — Embedded System Software trainee

November 2020-present

Work in Bootloader Architecture project (Communication Stack-  
Memory Stack -UDS - Scheduler - Canoe(for testing) - AdaptiveAutosar  
GP (Update and Configuration Management module)- ClassicAutosar)

#### Sprint, Cairo — DevOps Engineer trainee

July 2020 - August 2020 sponsored by Vodafone Egypt

Exceeded an internship in Sprint as DevOps Engineer, using  
docker file and Jenkins on the developer branch on New Sprint's  
Platform.

#### MasterTechCo., Alexandria — Maintenance Engineer trainee

May 2020 - July 2020

Restructured some machine-like CNC, shellers, servers, Cico Centrals,  
Cico cellphones, and machine drivers.

### PROJECTS

#### DIO AUToSAR Driver.|repo

Autosar layered architecture-Autosar Device driver-C Misra Rules  
Automotive buses(Lin-Can)-Implement Dio Autosar Driver.

#### Cots-AVR-Atmega32 Drivers.|repo

Drivers for AVR-ATMEGA32 Controller based on Static-Software

#### Mp3-Module-APP.|repo

Mp3-Application used the Defplayer module and a USART  
communication protocol.

#### C-SpellerAPPLICATION.|repo

SC50 Speller dictionary project used a hash table to store the data set

#### C-CLINCAPPLICATION.|repo

C code for the clinic management system used linked list-files and  
windows Apis.

#### Robosub2021.|repo

Some object detection applications used OpenCV Library python to apply  
some missions for training the AUV.

#### CI/CD SimpleWebApp.|repo

Used Docker and Jenkins to deploy a simple web Django app on the local  
machine is a part of the sprint training.

#### Shell-Unix using C.|repo

A Unix shell is written in c which was a part of a faculty assignment.

### SKILLS

- 1-DevLang(C/C++, Python,  
Bash-script, Yml, Matlab,  
OOP,UML ,and Canal).
- 2-DevTool(Cmake-Umbrello  
Git- Github- VSC- eclipse-  
Canoe- Slack -gira ).
- 3-Data Structure, Algorithms,  
Factory Method Abstract  
Design pattern.
- 4-ClassicAutosar-Adaptive  
Autosar-Davinci Tool.
- 5-Avr-Atmega32,8051,  
stm32f103c8t6 Architecture
- 6-Embedded systems and  
Embedded linux concepts
- 7-Linux(Linux component-  
Basic commands-  
File & directory  
Manipulation-  
Installing and managing  
SW (RPM-YUM-APT-get)  
-User and group  
Administration  
Permissions-VI text editor  
-Initialization files  
-Process, signal concepts  
-Redirection & Piping  
- Systems, services  
manipulation (time  
dependant )-File systems  
management(Fdiskutility))
- 8- Docker(Docker compose)  
- Jenkins-Virtualization  
concept-Containerization  
concepts-cloud basics  
-system control version

### AWARDS

- 1-training sprint certificate.
- 2-minesweeper competition  
certificate.
- 3-IEEESSCS.Instructor for  
Intro to classic and adaptive  
autosar.
- 5-DonBosco graduated  
certificate.

### LANGUAGES

Arabic-Italy(intermediate  
Writing and Speaking)  
English(intermediate Writing  
and Speaking).

### EDUCATION

Bachelor of Engineering,  
Alexandria University (2016 -  
2021) Study Electronics and  
Communication Engineering at  
the Faculty of Engineering AU.