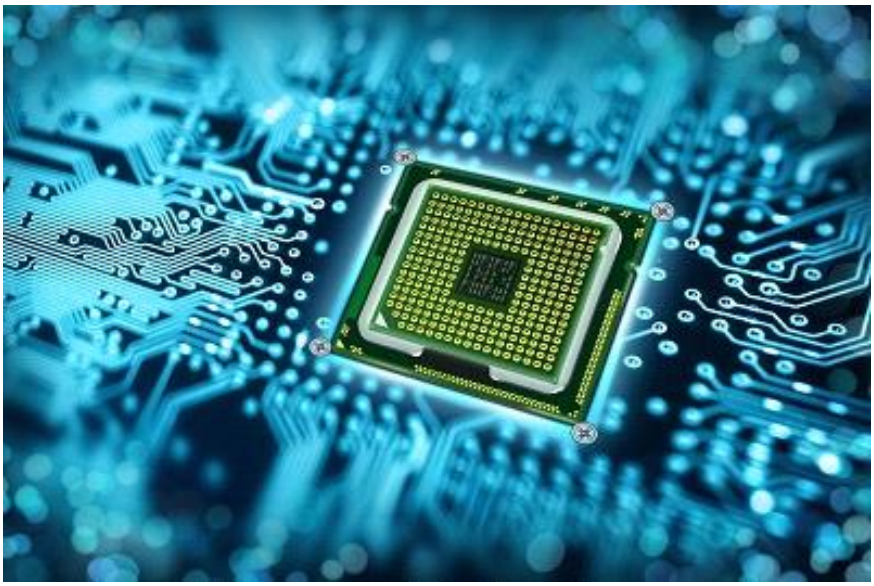
technology & strategy

Ms Yomna Attaalla

Software Test Engineer



Areas of Expertise

1	Automotive Embedded system. *Integration, Validation and System testing for application, Safety and BSW features.	
2	Software and System Testing: * Requirement review and analysis. * Testcases design and implementation. *Apply different testing techniques to verify the Requirements.	

	*Execute test scenrios on different test benches. * Reporting test Results.	
3	Test Automation	

Environments of application

1 2 3	Automotive. Communication. IOT.	

Technical skills

Maximum score: *** **Minimum Score:***

1- Embedded Systems		
A	Microcontrollers	***
B	AUTOSAR basics	*
C	Designing and implementing many Electronic Circuits.	****
2- Testing		
A	Software Testing / System testing	****
B	ECUTest (Test Automation tool)	****
C	Agile Methodologies	****
3- Automotive		
A	Diganostics (UDS - OBD)	****
B	Debugging using Trace 32 (Lauterbach)	***
C	Trace analysis using (CANoe, CANape, INCA)	****
D	DSpace	***
E	HIL Environments	****
F	System Testbenches Environments (MTB, EME, STB, Vehicle)	***
4- Programming Languages		
A	C / Embedded C	***
B	Python	**
C	CAPL	***

Education

2013 – 2018	**Bachelor of Electrical Engineering.**
	Alexandria University (Alexandria, Egypt).
	Communiation and Electronics departmen.
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2017	**Embedded Systems Diploma.**
	Alex training center (Alexandria, Egypt).
	Embedded system.
	Embedded C, Advanced C, Microcontrollers, RTOS, Testing.

2019	**ISTQB Certified Tester Foundation Level.**
	itida (Cairo, Egypt).
	Testing.
	Fundamentals of testing, Testing throughout the life-cycle, Static testing, Test

	design techniques, Test Management, Tool support for testing.

2020	**ISTQB Certified Tester Agile Level.**
	School or Entity's name (Cairo, Egypt).
	Testing.
	Agile software development, Fundamental agile, Testing principles, Practicies and processes, Agile testing methods-Techniques and tools.

Languages

	English	Level **C2**	**Fluent**
	German	Level **A1**	Basic
	Turkish	Level **A2**	Basic
	Arabic	Level **C2**	Native

Experiences

Valeo	August 2018 - Present	**Valeo**	CAIRO, EGYPT
		Cairo, Egypt	
		Senior Software Engineer	
		VW inverter project	

Job description

I am part of Software testing team in VSeA (Valeo Siemens Automotive).
Valeo Siemens Automotive develops and manufactures customer-specific high-voltage components and systems for the entire range of on- road electric vehicles including hybrids, plug-in hybrids and full electric vehicles.
VSeA team is delivering software to most premium OEMs such as DAIMLER, VW, Bike, PSA, VOLVO, and JLR.
We use the most advanced technologies and solutions in the automotive industry from premium suppliers as VECTOR, SPACE and TraceTronic for performing HIL testing activities.

I took part in:
- **Integration testing team** for the inverter safety and application features (Planning execution and reporting)
- **Validation Testing** of BSW features (UDS, OBD, CAN, XCP) against customer requirement.
- **System Testing team** (Managing workpackages, writing system test specification, analysing and reporting the test results).

Goals

- Understanding and analyzing customer and design requirements to develop testing specifications.
- Scripts and automation needed to verify that the software meets the customer and design requirements,
- Test cases execution and reporting finding defects on defect management tool and performing hardware analysis and debugging for the ECU testingenvironment.

Achievements

- Participation in ASPICE, customer and Tüv-Aaudits.

- Improvements of testing process.

- Resposible for delivering many SW Releases's Testruns and received appreciation and thank you mail from Test managers as well as the customer.

- Was prompoted twice in a period of 3.5 years.

Results

- Coordinatation of the SW validation test team

- Responsibility for testing new tools from different suppliers to be used inside the team

- Took a part inside the automation team who is resposible for providing support regarding different tools used by the whole testing team

Technical environments

Tools: ECUTest- dSPACE(ControlDesk)- CANoe- CANape-INCA-Lauterbach(Trace32)- DiagRA- eclipse- Polarion-Generic scan tool (GST)

Programming languages: C - python - CAPL

Certificates:

- ISTQB Certified Tester Foundation Level
- ISTQB Certified Tester Agile Level

Portfolio

	Working SW for Inverter
	Inverter

	VW
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