Karim Sileem

Software Engineer

✉ karimsileem7@gmail.com   📞 +971505771498   📍 Dubai   in LinkedIn   ○ GitHub

Profile

Results-focused Embedded Software Engineer with attention to detail and strong follow-through on systems projects.History continuously improves and optimizes systems for increased efficiency, functionality, andusability. Expertly matches user requirements and aligns systems with specifications.

Education

Bachelor of Electronics and Communication Engineering, *Mansoura university*   09/2017 – 07/2022
>Cumulative Grade: Good (69%)   Mansoura, Egypt
>graduation project grade: excellent

Professional Experience

• Customer Service Executive and Sales Engineer, *business building company*   06/2022 – 08/2024
Responsible for supporting sales executives in solution selling to prospects,   cairo, Egypt
executingstrategic deals, modeling financial business cases, and matching
customer requirements toproposed solutions. They possess technical expertise,
strong communication andpresentation skills

• Embedded system engineer, *IMT Automotive company*   04/2021 – 08/2022
C Programming, Interfacing, microcontrollers,memory stack   Egypt
,diagnostics,communication stack ,network management and RTOS

• Embedded system instructor – online   10/2021 – 06/2022
C Programming, Interfacing, microcontrollers and RTOS.   Egypt

Projects

• Graduation Project : Collision Avoidance system Based on Autosar Guidance   10/2021 – 07/2022
Two ADAS
1-Adaptive cruise control
2- Automatic Emergency braking

• Developing device drivers for ATmega32, *Developing DIO, EXTI, ADC, TIMER, WDT,*   08/2020 – 10/2020
ICU, PWM, UART, SPI, I2C, RTOS, LED, SW, LCD, KPD, 7-SEGMENT, EEPROM, SERVO,
STEPER and DC motors drivers

• Developing device drivers for STM32F103, *Developing RCC, GPIO, NVIC, EXTI,*   07/2020 – 10/2020
AFIO, STK, ADC, UART, SPI, FPEC, DMA, LED_MATRIX, IR_REMOTE, TFT and ESP8266
drivers

• Smart home controlled it by phone (serial or voice) using ATmega32,   08/2020
Controlling the doors with servo motor, the light brightness with LDR, the fan speed
depending on temperature, and play music with DF-Player for home via phone (serial
or voice).

• Clinic management system in C programming, *Apply linked list to build a system*   07/2020
which can add and edit patient record, reserve a slot, cancel reservation, view
patient record, and view today's reservations.

Courses

• Autosar &&OSEK | IMT School,
memory stack ,diagnostics,communication stack ,network management,OS

06/2023 – 08/2023
Egypt

• Embedded systems (ARM) Diploma | IMT School, *ARM Architecture, SysTick and OS Scheduler, RCC, DIO, NVIC, EXTI, UART, SPI,CAN,LIN,Ethernet ,DMA, DAC, Web Development, IOT, Audible Signals, Bootloader Implementation, Story of Flashing, and HEX Parser*

10/2020 – 01/2021
Egypt

• Embedded systems (AVR) Diploma | IMT School, *C programming, Data structure, Interfacing, microcontrollers, RTOS, Testing, Tooling, and Automotive bus technology*

06/2020 – 10/2020

Trainings &Internships

Internship at Neuronetix Company, *dive into c++ fundamental and participate with teamwork in developing projects and tasks*

08/2024 – 10/2024
cairo, Egypt

•Training at Faculty of Engineering in Mansoura University,
interfacing with AVR Microcontroller with my colleagues in projects developement

06/2020 – 06/2020
cairo, Egypt

• Mid-Year Training 2019 at Faculty of Engineering in Tanta University with IEEE-TSB from 2 to 6 Feb in Embedded Systems

02/2019 – 02/2019
tanta, Egypt

Skills

C&& C++ Programming — Proficient

Microcontroller — Proficient

Proteus — Proficient

Microsoft Office — Proficient

Embedded C — Proficient

ST-Link Debugger — Proficient

Multisim — Proficient

Electronics — Proficient

Soft Skills

Analytical Skills

Communication Skills

Interpersonal Skills

Identifying Problems

Research

Able to Prioritize

Customer requirement analysis

Ability to work independently while also being a strong team player

Certificates

- IMT School ARM Based Diploma
- Embedded AVR Based Diploma
- IEEE Mid year Internship

Languages

- Arabic
- English