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Emre TUFEKCIOGLU

Software Engineer

mrtfkcgl

Professional Summary

I am a passionate and talented software engineer with over 2 years of technical experience in software programming. I have strong knowledge of programming languages such as C, C++, Python and IEC 61131-3 Structured Text. Since I have a software algorithm mindset, it is also quick for me to learn and get used to new programming languages.

Work Experience

2022–Present **Software Design Engineer, Karsan Automotive, Bursa, Turkey**

- Customer requirement-oriented software design, implementation, documentation and testing processes for Electric Vehicles.
- Sign-off in serial projects and giving software approval.
- Ensuring tasks of the various electrical control unit harmony as software.
- Detecting the error types (Software or Hardware based) using diagnostic methods.

2021–2022 **Electronic Design Engineer, Marelli, Bursa, Turkey**

- Design and development of electronic hardware and software for automotive lighting systems.
- Collaboration with cross-functional teams to identify and resolve design issues.

2020–2021 **Electronic Design Engineer, Odelo, Bursa, Turkey**

- Design and development of electronic hardware for automotive lighting systems.
- Worked with customers to understand their requirements and developed customized solutions.
- To conduct functional and reliability testing to ensure compliance with industry standards.

2018–2020 **Software Design Engineer, EMKO Electronics, Bursa, Turkey**

- Design, development and software implementation for industrial electronics systems.
- Collaboration with hardware engineers to develop integrated solutions.

Education

2022–2024 **Master of Science in Electrical and Electronic Engineering, Bursa Technical University, Bursa, Turkey**

2015–2019 **Bachelor of Science in Electrical and Electronic Engineering, Bursa Technical University, Bursa, Turkey**

Skills

- ❖ Programming Languages → C, C++, Python, IEC 61131-3 Structured Text
- ❖ Tools and Technologies → Linux, CANoe, CANalyzer, CANbus, Modbus, LINbus, MODBUS
- ❖ Soft Skills → Strong analytical and technical skills, problem-solving abilities, commitment to customer satisfaction, flexibility for international travel

Courses and Certificates

C Programming Language - CSD (C ve Sistem Programcılar Derneği)

C++ Programming Language - CSD

System Programming and Advanced C Applications - CSD

Languages

Turkish Native Speaker

English Advance