



## System Design Engineer for Electric Vehicle

Karluna R&D center, which designs Electric Vehicle components (ECU, BMS, OBC, DC-DC convertor, Powertrain, Infotainment systems, etc) in accordance with automotive standards, was established in IZMIR/Bayraklı in 2023.

We are looking for experienced Electronic Engineers to work on Electric Vehicles at our R&D center in Izmir.

### Job Description:

- Experience in the electric vehicle industry.
- Experienced with BMS & ECU in electric vehicles, developed embedded software on this subject.
- Able to design and analyze electrical systems (BMS, VCU etc) for light commercial vehicles
- Able to examine the international standards related to the subject (ISO26262, SAE J1939 etc), developing design and test plan that will cover regulations and standards.
- Experienced in embedded C/C++ programming-debugging-testing and Arm based microcontrollers.
- Communication buses such as CAN(J1939)-UART-I2C-SPI and their databases
- Good knowledge Can bus tools like Vector.
- Good knowledge of MATLAB & Simulink
- Will be able to create technical documentation of products.
- Validation of functions and systems at vehicle level
- Able to manage the installation, commissioning and testing process of the systems he is responsible for.
- Knowledge of Electromagnetic Compatibility (EMC) and EMI requirements, power electronics and motor driver are an advantage.
- Ability to understand and resolve problems at both system and code level.
- A team player with the ability to work to tight deadlines in a multi-discipline, multi-project environment.

### Minumum Requirements:

Bachelors engineering degree related to position.

Fluency of written and spoken English

Effective at communication skills and contribution to team work

Willingness to travel abroad whenever possible

R&D Project Coordinator

Contact: [ali.orucoglu@karluna.com.tr](mailto:ali.orucoglu@karluna.com.tr)

10039. Sk. No:23 AOSB İZMİR

