

## Software Developer for Automotive Applications (C / Matlab Simulink)

Schaeffler is a dynamic global technology company and its success has been a result of its entrepreneurial spirit and long history of private ownership. Does that sound interesting to you? As a partner to all of the major automobile manufacturers, as well as key players in the aerospace and industrial sectors, we offer you many development opportunities.

### Your Key Responsibilities

- Development of SW for mechatronic systems of hybrid / electric vehicles: actuators, electric motors, electric axes, hybrid modules - AUTOSAR application layer
- Modeling in MatLab Simulink / C code generation
- Validation and Verification: unit testing, integration testing
- SW simulation (MiL / SiL / HiL)
- Creation of technical documentation (technical specifications, architecture, design, test)
- ASPICE compliant framework (V-model)
- Work in agile environment

### Your Qualifications

- University degree in mechanical engineering, mechatronics, automotive engineering, electrical engineering or comparable degree program (e.g. informatics, physic)
- English - both spoken and written command
- Knowledge of Slovak language
- C programming
- MatLab Simulink - advantage
- Knowledge and experience with mechanical systems in automotive business - advantage

### Offered benefits

- working in a dynamic and challenging international environment
- stable post in an international company
- professional training – partly held in Germany
- career growth opportunities
- flexible working time (37,5 hrs./week)
- overtime compensation
- language courses (EN,DE) fully covered by Schaeffler
- 13th/14th salary
- referral and relocation bonus
- improvement bonus
- company contribution to pension system – 3% of gross base salary
- rich social program
- relocation allowance during 1st year

## **Simulation Engineer for E-mobility**

Schaeffler is a dynamic global technology company and its success is the result of its entrepreneurial spirit and long history of private ownership. Does this sound interesting to you? As a partner of all major automotive manufacturers as well as key players in the aerospace and industrial sectors, we offer you many opportunities for development.

### **Job description**

- system simulation of mechatronic products: hybrid modules, electric axes, actuators
- computer modelling of the vehicle drive system and associated subsystems using Matlab/Simulink
- driving strategy simulations, load cycles
- modelling and simulation of the vehicle thermal subsystem
- implementation of damage models in the system or components for individual load cycles
- creation of scripts for processing simulation results
- preparation of technical reports

### **Requirements:**

- Higher education II. degree in mechatronics, mechanical engineering, electrical engineering, IT, physics or other related fields
- English language at a communicative level (written and oral)
- German language preferably
- experience with programming in Matlab/Simulink
- experience in the automotive industry welcome
- basics of electromobility
- independence, systematic, structured way of working
- good communication skills and ability to work in a team

### **Benefits**

- 13./14. salary
- language supplement
- remuneration for improvement suggestions
- contribution to Pillar III pension savings
- language training allowance
- interesting social programme
- a stable job in a foreign company
- complete training programme
- self-development in a responsible position with the possibility of professional and professional growth
- 37.5-hour working week; flexible working hours with the possibility of using a home office
- relocation allowance during the 1st year

## Systems Engineer for Electric and Hybrid Powertrains

Schaeffler is a dynamic global technology company and its success has been a result of its entrepreneurial spirit and long history of private ownership. Does that sound interesting to you? As a partner to all of the major automobile manufacturers, as well as key players in the aerospace and industrial sectors, we offer you many development opportunities.

### Introduction

We are looking for junior and senior development engineers for R&D projects in e-mobility.

### Your Key Responsibilities

- development of systems and components for hybrid modules, electric axles, and actuators for cars with the focus on mechatronics, electronics, software, and mechanical engineering
- analysis and implementation of customer requirements into product
- creating specifications for components
- evaluation of design alternatives with respect to customer requirements and selection of optimal solution
- carrying out calculations on simulation models and verification of basic component parameters
- communicating technical requirements, architecture, and the design solution with the teams of systems, simulation, design, and software engineers
- creation of architecture and interfaces of system and components
- creation of architecture in SysML language
- mentoring university interns

### Your Qualifications

- master's degree in electrical engineering, mechatronics, automation, automotive or physics
- English language – both spoken and written command
- German language – advantage
- Enterprise Architect, SysML, MatLab – advantage
- experience in the field of development and design of electric drives or their components – advantage
- experience in the field of systems engineering – advantage
- willing to learn new things
- willing to travel

### Offered benefits

- working in a dynamic and challenging international environment
- stable post in an international company
- professional training – partly held in Germany

- career growth opportunities
- flexible working time (37,5 hrs./week)
- overtime compensation
- language courses (EN,DE) fully covered by Schaeffler
- 13th/14th salary
- referral and relocation bonus
- improvement bonus
- relocation allowance during 1<sup>st</sup> year