Embedded Software Engineer

Who can design motor control and safety requirements into TheWheel!

What are your main tasks and responsibilities as an Embedded Software Engineer at e-Traction?

As an Embedded Software Engineer you boost the development of both in-wheel motor technology and associated inverter technology. You will be part of the software department and you will contribute to the development, implementation, testing and documenting of embedded software. The embedded software is developed by means of "state of the art" technologies, methods and tools. You will work with colleagues from various disciplines like electronics, mechanics and automotive.

As we are working on cutting edge technology, our embedded software development is continuously facing a number of design challenges like combining motor control and strict safety requirements. If you feel at home in such a challenging environment, where you can directly influence the environmental impact and energy consumption of mobility, than this is your job!

Main task and responsibilities are:

- Write and maintain requirements;
- Create detailed designs and support with creating software architecture;
- Analyse the available options for make or buy decisions;
- Use a Model Based development approach with Simulink and automatically generate the code;
- Program or integrate reusable components in C: low level drivers, protocol stacks, diagnostics, bootloader;
- Create test cases and perform tests;
- Document the software including presentations for both internal and external use.

What do we expect from you?

- Master or Bachelor level in (Technical) Computer Science, Embedded Systems or Electrical Engineering;
- At least 5 years of experience in an equivalent position (preferred in an Automotive environment);
- Experienced in one or more programming languages: C, C++ and assembler;
- Experienced in software modelling techniques and tools;
- A good understanding of the principles of: electrical engineering, model based design (Matlab/Simulink) and functional safety (ISO 26262);
- Knowledge of automotive specifics like AUTOSAR, OSEK, RTOS, MISRA-C, CAN and Texas Instruments Hercules;
- Experienced in Automotive development processes and tools (such as V-Cycle, Configuration Management (Subversion SVN), Issue Management, FMEA, etc.);
- Pro-active, team player, hands-on mentality, going the extra mile;
- Experience with Electric or Hybrid Technology is a plus;
- You have good communication skills in English, both oral and written, where Dutch is a plus.

What do we offer you?
To reinvent The Wheel! A unique opportunity to make a personal contribution to the future of our planet. Work on our sustainable e-mobility solution in an ambitious and dynamic work environment. At e-Traction you will collaborate with an international team of colleagues who are all passionate about sustainable automotive technology. The strong growth of our company offers opportunities for professionals who want to make the difference. We are looking for entrepreneurial people, independent, with a positive attitude, which ask questions and lead the way. We have short communication lines and give room for personal development. A competitive package is part of the deal.

How to apply
If this vacancy really suits you, fill in the application form right away!

More information about e-Traction and our technical solutions can be found on our website www.e-traction.com. For more information about this vacancy you can contact Geert Kwintenberg (Deputy Technical Manager) 06-42 88 91 20.