SYSTEMS

by Schneider Electric

FIRMWARE / EMBEDDED SOFTWARE ENGINEER
Full-time (Remote 1-2 days) | 30% Travel
at Oosteinderweg 127C, 1432 AH Aalsmeer, The Netherlands

About Us

We are a global leader in Direct Current (DC) electrical distribution, offering DC systems, applications, use cases, and demonstrators in many fields - from protection devices to power converters and everything in between. We are creating new markets and applications to make our biggest asset as mankind - the electrical grid - sustainable and future-proof. Recently, we were acquired by Schneider Electric to empower our ideologies and make stronger what we have initiated. This is a big undertaking that is asking for new creative ideas to think outside the box and solve it inside the box; to develop the products and solutions that are needed for the emerging markets and applications, from DC buildings like ABN Amro's Circl Pavilion or TU Delft's Pulse Building, and datacentres to public distribution as on Highway N470 in Delft, DC microgrids and more. We are looking for motivated individuals to join our expanding team as we embark on a journey to disrupt the energy landscape.

About the Role

o   Responsible for developing, testing and maintaining current DC Systems products / projects.
o   Focus on the firmware development for control of power electronic converters and communication between devices in our DC grid system.

Required Skills

- B.Eng, B.Sc or higher in Electrical/Electronics, Computer Science Eng. or equivalent.
- 3+ years experience in developing embedded firmware.
- Solid knowledge in C/C++ (Python – nice to have).
- Good fundamentals on digital control of power electronics.
- Confident ability to understand circuit schematics and apply knowledge of analog electronics.
- Understanding of electrical systems and architectures.
- Hands on experience developing for Linux based SBC's and bare metal systems.
- Good understanding and working knowledge of one or more: CANbus, MODbus SPI, I2C.
- Experience with software build tools, source control systems (preferably Git).
- Being familiar with using oscilloscopes, protocol debuggers, soldering irons. Proactivity and ability to work in a multi-cultural environement.
- Fluency in English.

What do we offer?

- ✓ A few million chances to develop ideas.
- ✓ A challenging and passionate working environment.
- ✓ Making an impact and being a part of the future of the electrical system.
- ✓ Working in a highly skilled environment with access to and cooperation with many specialists worldwide inside the Schneider Eco-structure.
- ✓ Our company works independently from the big enterprise structure to stay flexible and creative, while utilizing the advantages of a big organization. (This is why we work very closely with the global management but we remain independent).

Interested?
Please send your CV and/or questions to vacancies@dc.systems.