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Embedded software developers for battery management and connectivity



Northvolt is right now looking for embedded software developers for battery management and connectivity to join our team. You will be given the opportunity to develop High Performance li-ion battery systems as well as being a part of building the first European large-scale lithium-ion battery factory.

The control system team is responsible for HW architecture and SW development of all control systems in our battery packs. This includes e.g. control units for battery management and control, and control units for battery connectivity and data collection.

We are searching for experienced embedded software developers. You have experience of working close to a hardware application and have great knowledge of embedded software development, mainly on application level, e.g. from the automotive industry.

Key Responsibilities include but are not limited to:

Gather requirements for the specific functionality (based on customer requirements or internal requirements)

- Do the SW-implementation and write unit test cases for your functionality
- Do the initial testing and debugging of your developed functions on different levels, e.g. in a SIL-environment, on small test rigs with the control unit, or on the complete battery system.
- Produce required documentation.
- Work close to the SW test team to assure the quality of functionality.
- Beside SW development you must be able to leave the desk and perform practical tasks like prototype mock-up of the control systems, making harnesses for debugging or for small test rigs, helping our customers with integration of our system and making prototype battery systems work.

At Northvolt we all work tightly together with a low level of hierarchy, and we encourage different backgrounds and levels of experience. What we all have in common is that we are bold, passionate and in whatever area we are working in we do it with excellence. Do you have what it takes to be a part of our team?

To be a part of this unique opportunity **apply with a cover letter (mandatory) and a CV (or your complete LinkedIn profile)**. Please add to your application how you can contribute with your background to Northvolt and enable the future of energy.

This job ad does not have a last application date since we will be evaluating and recruiting continuously. Full time employment, fixed salary. The Battery Systems part of Northvolt is located in Stockholm.

Skills & Requirements: Master's Degree in Electrical Engineering, Mechatronics, Software Engineering, Applied Physics or a related discipline or equivalent combination of education and experience to perform at this level



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- Excellent knowledge of C/C++
- Good knowledge of Python.
- Several years experience of embedded software development.
- Experience with version control systems like GIT and IDE:s like Eclipse.
- Excellent English written and oral skills
- Ability to work under high pressure and tight deadlines, excellent time management
- Ability to work well with others in a team environment, as well as independently

Additional interesting merits:

- Experience of development of battery management systems and/or charging systems
- C development using the MISRA guidelines
- Bootloader development
- Flash procedure development
- SW development following functional safety standards like IEC61580, IEC62061, ISO26262 or similar.

Your personal characteristics can be flexibility, quality, friendliness, motivation to take on new challenges, grit and a sense of humour. You are also passionate & purpose driven – you want to join us on the journey of enabling the future of energy!

Northvolt is building the largest lithium-ion battery factory in Europe. This is key for future innovation and will support and accelerate the transition to sustainable energy production and consumption. Time is our greatest enemy. The global transformation to sustainable transport and energy, will only happen if there are enough battery cells produced at a significantly lower cost. We are currently in an exciting fast growing phase and operate in a busy, fast moving environment, dealing with a wide range of stakeholders preparing for factory construction to start in 2018. We are staffing our international project office in Stockholm and preparing upcoming recruitments for the establishment of the R&D; facility, Northvolt Labs, in Västerås and the main factory, Northvolt Ett, in Skellefteå. We aim to build the next generation battery factory with cutting edge technology and a structural cost advantage that will produce the world's greenest battery with minimum carbon footprint and a sustainable lifecycle. We want to work with experienced experts in specialized and crucial fields within the battery area, as well as talented and purpose driven people from all kinds of disciplines to make this happen. Those of us already on board share a bold streak and a passion for our mission of enabling the future of energy. We are prepared to work hard in pursuit of excellence. We enjoy the ride and our main drive is to make a difference for real.

We are a team dedicated to thinking new, working hard and having fun. Join us today!

Interested? Please contact us and send us your CV in English BEFORE NOV. 30 to:

Apply by sending your application to Jörgen Hansson , HIRING MANAGER at the following email: jorgen.hansson@northvolt.com (con copia a eures.nordicos@sepe.es)



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Consejos de utilidad:

Como preparar un CV y application letter "Swedish style": <http://goo.gl/mQXTBF> , y <http://goo.gl/O7r3Ej>