

## **Junior Computer Software Engineer**

Are you interested in working for an innovative and growing business?  
Are you interested in developing lithium-ion batteries for different applications?  
Then we are looking for you.

### **Cleantron**

Cleantron develops and produces lithium batteries close to Amsterdam in Nieuw Vennepe. Cleantron batteries are used in a variety of markets, at home and abroad. Think of electric vehicles such as special e-Bikes and e-Scooters, Light Electric Vehicles, Automatic Guided Vehicles (AGV's), Automotive applications and Construction Equipment.

We put the quality of our products centrally and in order to guarantee this, we continuously work on improving our product designs and production processes.

Good battery design is very important for manufacturability, safety and battery life. Cleantron is developing batteries for new applications where these aspects are key.

We continuously improve our production processes and offer our customers PC tools to atomize trouble shooting and Firmware updates. You will be working in the team that develops the software for the production lines and the tools to support our customers. We are seeking a skilled and motivated Software Engineer to join our dynamic team and he will play a key role in developing and maintaining high-quality software solutions that drive our company's mission forward. You will collaborate with cross-functional teams to design, develop, and deploy innovative software applications.

## **Junior Computer Software Engineer**

The engineer works in a small team that performs 4 main tasks:

- Continuously improves the software from the production line. This means that functions are added etc.
- The development of the dedicated software that is used to perform Firmware uploads and quality Control steps in production or in the field.
- The development of tools to support a warranty and repair process. This tool is guiding the operator and customer through the warranty and repair steps and includes automated diagnostics by reading out the memory of the battery management system and conducting analysis.
- Troubleshoot and debug software issues to ensure optimal performance and reliability

The team works in close cooperation with the Firmware development team, the quality department and the people in production.

### **Education**

Bachelor or Master in Electrical Engineering, Computer science or Software Engineering.

## Relevant skills

- Software Design in Python
- Experience with software development frameworks and libraries
- Optional Software Design in C
- Optional familiarity with relational databases and SQL
- Optional software design in Siemens PLCs
- Able to make and record structured problem analysis
- 0 to 5 years of work experience
- You master the English language

## We offer

Dynamic international working environment in an innovative and growing company, with an enthusiastic team, and room for personal input. We also offer room for further development of your skills (on the job or by offering specific training).

Full-time appointment (38 hours), however part-time is also negotiable.

A competitive salary, depending on education and experience.

Personal training options

## Interested?

If you recognize yourself in the profile above, apply by sending your CV and motivation letter to Padina Basirat ([padina.basirat@cleantron.nl](mailto:padina.basirat@cleantron.nl)). More information about Cleantron can be found at [www.cleantron.nl](http://www.cleantron.nl), for questions about the vacancy also feel free to contact Padina Basirat.