FARMERS CUT ®

SENIOR IoT ARCHITECT

SOFTWARE, UX, AND IOT, FULL-TIME, HAMBURG (GERMANY)

About Farmers Cut (FC)

We started FC in 2015 as a company with the ambition to emerge as a leader in hyper-local Indoor Vertical Farming in the world to offer locally grown greens, that are pesticide-free, high in nutrients and available all-year round. The founders of FC, Mark Korzilius and Isabel Molitor and their team developed a fully automated indoor vertical cultivation technology, 'Dryponics', which is based on full climate control, modular hardware elements and a unique growth substrate. Our first farm is up and running since Summer 2017 and a patent for our Dryponics system has been granted.

Our farms are designed for the production of baby leaves, microgreens and herbs as well as fruity plants like strawberries, tomatoes, cucumber and other. In sharp contrast to today's existing value chain, where retailers dominate the game and more so product specifications, FC uses its hyper-local production hub to sell trustworthy, pesticide-free, highly nutritious products with superior taste and freshness directly to B2B and B2C.

Our Dryponics farms can be operated independent from external conditions enabling us to go to regions that are particularly prone to environmental stress such as the Middle East or cities of high population density such as the megacities of China. Our Dryponics technology is the basis for global scalability to pursue our mission of building 180+ farms around the globe by 2027.

Position: SENIOR IoT ARCHITECT

Start date: as of March 2018

Description:

Farmers Cut is re-imagining the way humanity grows food and its digital systems are making agriculture smarter. The computer scientists at FC are plant and human-centric: we build outwards from the way our people and the grow spaces work every day, crafting tools that understand, coordinate, and optimize the farms. Our weaving of custom-built physical devices, large scale data processing, user-centered design, and machine learning both automate systems and facilitate the broader FC team. Join us in making digital tools that help grow plants!

What you'll do:

- This architect position demands equal parts coordinator, mentor, and tool maker. You will operate between layers in the "IoT stack", helping Electrical Engineers coordinate with both embedded software and cloud infrastructure engineers.
- You are the glue that makes sure all the devices are operating and communicating in harmony with the larger pipeline running in the cloud.
- Your day-to-day will include talking to team members about the boards they are printing and the software they are writing, thinking about graceful degradation and restoration of service in crisis, and planning for the graceful evolution of the broader software architecture over time.
- You will need to be a leader in our Hamburg office, providing empathetic humble support to the team members in terms of building tools to facilitate their work (writing code alongside them if needed) and offering light guidance as team members drive their projects from start to finish.

What we're looking for:

- Experience with User-Centered Design or as a team leader ("TL" or "PM" for example).
- Experience with (or willingness to learn) software architecture concepts like design patterns.
- Experience with Java, Python, and C.
- Experience with embedded development. UART, MQTT, I2C, MODBUS, Rasberry Pi, or Arduino a plus but not required.
- Experience with embedded Linux, sensing equipment, and industrial automation a plus but not required.
- Familiarity with encryption, security, and networking concepts like TLS/SSL.
- We are on the lookout for great people and understand that the most excellent contributors won't fit into boxes. So, we encourage folks to apply even if they do not meet all of these recommended items.

Please send you application to Isabel at im@farmerscut.com including your resume and cover letter (German or English). We are looking forward to hearing from you!