Embedded Applications Engineer

Hardware & Controls Team – Berlin, Germany

Embedded Applications Engineer

Envio is a technology service provider for building automation and indoor agriculture. Our customers are some of the largest utilities, property portfolio managers, and public/government entities on Earth. As an Embedded Applications Engineer you will be developing high-performing and reliable software applications for micro board embedded systems hosted on Linux environment - Envio TRIA Gateway (Envio Gateway Application, Envioller, EnvioScheduler, etc.)

We expect you to have experience automating processes and architecting solutions to enable our teams to build, test and release, faster and more reliably. You will be improving source code control and implementing proper CD/CI processes in the Envio Hardware team.

We expect you to leverage the freedom and agency we provide to make calculated high level decisions, all while ensuring the quality and efficiency of the product, through continuous improvement and mentoring of the teams involved.

At envio we are:

Collaborative - We believe teams solve big problems together

Resourceful - Workable solutions exist for every problem

Resilient - Try a dozen things a hundred different ways if that is what it takes

Disruptors - We invent things people didn't know they needed but can't live without

Pioneers - We take on complex challenges using new tools

Each one of our values is a part of our everyday interactions.

Minimum Qualifications
- ❏ Bachelor's or Master's in Computer Science, Engineering or relevant field.
- ❏ 5+ years' experience in a similar role..
- ❏ Expertise with Python-based software architecture, and relational databases.
- ❏ Experience working with data intensive applications, time-series database experience is a plus.
- ❏ Speak fluent business English.

Role & Responsibilities
- ❏ Develop high-performing and reliable software applications for micro board embedded systems hosted on Linux environment - Envio TRIA Gateway (Envio Gateway Application, Envioller, EnvioScheduler, etc.)
- ❏ Implement standard and proprietary Industrial and BMS communications protocols and libraries to drive 3rd party equipment ie/RESTful, WSDL, XML, JSON, text, proprietary

- ❏ Development and improvements with solutions related to Internet protocol suite
- ❏ Develop and improve existing implementation of MQTT (MQ Telemetry Transport) in Envio TRIA Gateway
- ❏ Participate in the definition of system functional requirements
- ❏ Research, assess and adapt to new technologies necessary for future enhancements of products
- ❏ Develop applications in Python programming language
- ❏ Participate in design discussions and code reviews
- ❏ Development and implementation of proper CD/CI process in Envio Hardware team
- ❏ Improvement of release management process and procedures
- ❏ Improvement and organization of source code control
- ❏ Engage with the developer community
- ❏ Development and administration of linux host configurations
- ❏ Possibility of collaboration with other teams working on MESH sensors' networking solutions, HW design ideation and brainstorming for new products and features, C programming, drivers development, etc.