Firmware Programmer

Kraken Power GmbH designs and manufactures unique pressure tolerant thrusters, drives, batteries, and electronics. The company was established in 2016 and is a successful international subsidiary of a fast-growing international business called Kraken Robotics Inc (“KRI”). KRI is a publicly traded company, consisting of four entities: two in Germany (Rostock and Bremen), an office in the United States, and headquarters in Canada.

We are looking for a creative and forward-thinking Firmware programmer who shares our vision for this company and our willingness to work hard, in a start-up environment, to bring that vision to life. Do you like software challenges? Do you build, tinker, hack, or create in your spare time?

Join the Kraken Team!

Responsibilities

- Write firmware that extends the performance and capabilities of the existing Kraken Power SMT32 firmware.
- Validate, test, and iterate on existing firmware codebase.
- Document code design and troubleshooting efforts
- Write user facing documentation for use of devices which utilize code base

Qualifications

- Demonstrated microcontroller programming in C
- Strong STM32 firmware experience
- Knowledge of timers and interrupts as used in a real-time system.
- Experience with digital and analog sensors
- Communication protocols I2C, SPI, RS485, RS232, CAN
- Strong written and verbal English language communication skills
- Ability to read and understand hardware schematics
• Knowledge of firmware testing methodology including writing and execution of test plans, debugging, etc.
• GitLab, GitHub, version control platforms
• Software programming experience, e.g. Python, C#, etc.
• Experience in debugging embedded code with JTAG
• Experience taking product to market strongly preferred
• Experience with power electronics, motor controllers a strong plus
• Experience with PID control systems theory and application
• BLE wireless communications
• RTOS

You are this person, and you are as dedicated as we are? Then send an application to info@krakenpower.de, person of contact is Bianca Souffrant and have a warm welcome in Rostock at the Baltic Sea in Germany.