

Junior Firmware Engineer

Full time, 37.5 hours per week

Location: Hanoi, Vietnam

Report to: Head of Hardware and Control

Blacksheep is a fast-growing science and technology company - a great place to develop your career in Vietnam. Focusing on development of world leading products for high growth markets, the company designs, develops and manufactures truly innovative products in Vietnam. Our projects in Vietnam range from high power electric motorbikes to medical machines, and our products are used for many scientific and commercial applications including biology, chemistry, biotech research, material sciences and scientific discovery and all need to follow ISO standards appropriate for the resulting products.

Our objective is to pioneer the development of Vietnamese designed, developed, manufactured and marketed cutting edge products with world leading performance and quality to be sold in global markets. We are looking for highly motivated engineers to join us to bring Vietnamese tech products to the world.

Duties will include but are not limited to:

- Designing and developing embedded firmware for various hardware platforms
- Assisting in the implementation of firmware features and algorithms based on project requirements
- Debugging firmware to ensure it functions properly
- Supporting the team to evaluate performance and troubleshoot as needed
- Learning and applying best practices for version control and code management
- Documenting firmware design, code, and test procedures
- Staying updated on emerging technologies and industry trends in firmware development
- Working closely with project teams based internationally to ensure projects are delivered on target

Required skills and capabilities:

- Bachelor's degree in Electrical Engineering, Electronics and Telecommunication, Computer Science, Automation engineering or related field
- Knowledge of programming languages such as C/C++
- Basic understanding of embedded systems concepts and firmware development principles
- Basic knowledge in communication protocol (UART, I2C, SPI, CAN, RS485, etc)
- Experience with Arm Cortex and/or PIC microcontrollers and peripherals

- Basic understanding of software development environment and tools such as the use of Git, GitLab, GitHub and Jira
- Strong collaborator, able to excel in a dynamic, fast-paced environment
- Working proficiency in English equivalent to B2 (CEFR) or higher. We value clear communication and comprehension skills in English as part of this role. For very junior candidates, support with English language skills will be provided
- Ability to learn new things, which is more important than deep existing experience, supported by real-life examples

Previous useful experience:

Any of mentioned skilled with firmware development as priority.

- Experience with higher level programming language, such as Python
- Experience with connectivity stacks such as Bluetooth, WiFi, Ethernet
- Experience with circuit design including creating schematic and PCB layout
- Practical skills in electricals such as soldering and creating a functional circuit
- Understanding of development methodologies and project management

Benefits:

- 20 casual leave days/year
- Private health insurance
- Opportunity to work in an international, friendly, creative, and active environment
- Approach to most advanced technology in the world
- Opportunity to collaborate with world leading engineers

If you would like to apply for this position, please email your covering letter addressing each of the job requirements and CV to:

Giang.nguyen@blacksheepower.com for the attention of **Ms Giang Nguyen, Operations Director**

We are an equal opportunities employer, and we particularly encourage women to apply for this engineering job.

We look forward to hearing from you!

Blacksheep Vietnam Co., Ltd.