
Hardware QA

We are a software company that has learned the hard way how to build hardware products in the past 3 years. We are looking for a passionate individual with the hardware mindset and skills to support our firmware developers and manufacturing teams in improving the quality of our products, both from a hardware and firmware perspective. Ideally you should be ok with getting your hands dirty with a soldering gun, but also be able to read low-level code and put together some scripts to test it. Lastly, we count on your ambition to optimize our manufacturing flow. Sometimes, when needed, you will enjoy some fun times with your colleagues manufacturing beacons.

Job requirements & Responsibilities:

Hardware QA:

- experience with:
 - o radio (Bluetooth/6LowPAN – ideal, wifi – ok)
 - o IOT devices
 - o Sensors
- embedded software debugging using JTAG and a low level command based interface/tool (ideal)
- electronics skills that allow hardware level benchmarking, troubleshooting and hacking

Programming experience to be able to build custom tools for:

- evaluating hardware behavior:
 - o radio range testing
 - o sensing capabilities
 - o environmental influences on operation
 - o power consumption
- build a framework for suppliers QA processes in manufacturing
- build tools for optimizing manufacturing flow (ideal)
- creating automated hardware tests (both through a software driver and hardware probe based approach) (ideal)

Firmware QA:

- evaluate functional (specific features and APIs) and non-functional (performance, security, reliability) software behavior through mobile device or dedicated bluetooth sniffer
- experience with TI 25XX, 26XX SoC families, RTOS, Bluetooth Stack – or something similar (ideal)

General QA

- Create and maintain testing related documents and use bug tracking software;
- Detect, report and track defects in our products, as well as verify fixes by performing product functionality tests;

Languages:

- C, Linux bash scripting
- Python(ideal)
- Familiar with raspberry PI (or similar)

Equally important is to:

- Have a good English verbal and written communication skills
- Be able to eat lots of sweets, celebrate success with pizza & beer and from time to time grill some barbecue
- Keep your competitiveness up by winning at our ping pong championships

If you meet one or several (maybe even all) of the above requirements, don't hesitate to contact us at [careers\(at\)onyxbeacon.com](mailto:careers(at)onyxbeacon.com) so we can get to know each other.

We offer:

An attractive package, a dedicated team with friendly people, a modern working environment that supports you in your daily work. Last, but not least, the freedom to invest your ideas, joy and passion in creating and growing, day by day, own products and solutions able to change the world. You will experience the challenges and rewards of a career in a fast-paced, leading-edge work environment.