

品质工程师

- 工作类型：全职
- 上岗日期：今年七月
- 工作地点：中国-深圳-福田

APPLY NOW



What's Okra? We're an IoT company bringing energy access to the 800 million people who don't have power.

Okra是谁？我们是一家IOT物联网创业型公司，为8亿缺电人群提供太阳能清洁能源。

Opportunity

Okra is looking for a **QA Test Engineer** to join our team full-time in Shenzhen, China. Product reliability is a critical factor that will determine Okra's success in the coming years. The successful applicant will play a crucial role in securing confidence in the reliability of our electronics products by designing and implementing rigorous testing plans and equipment with a wide range of test coverage.

The product of focus is Okra's flagship mesh-grid controller: the "[Pod](#)" - a plug-&-play IoT device that enables distributed solar panels and batteries to be interconnected into smart modular mesh-grids.

This role will primarily involve designing, programming and configuring various test machinery, as well as supervising production and certification testing activities in cooperation with our China-based contract manufacturers. The vast majority of this work will be done in collaboration with the manufacturing, hardware and firmware teams which are spread between China, Malaysia and Australia.

The successful applicant will also have the opportunity to broaden their professional skill set by contributing to other projects within the company.

机会

Okra中国深圳团队正在招聘一位全职型品质工程师。

产品可靠性是Okra未来几年成功的关键因素。成功的应聘者将通过设计和实施严格的测试计划和具有广泛测试覆盖范围的设备，在确保对我们的电子产品可靠性的信心方面发挥关键作用。

Okra的主要的产品是Mesh-Grid类控制器：如Edamame Pod，即一种即插即用IoT物联网设备，能够将分布的太阳能板和电池互连到智能模块化网络。

这个岗位主要会涉及到：研发&设计，编程和调试各种测试仪器设备，同时与国内CM加工厂协同监督生产以及认证测试等相关事宜，确认国内关键供应商的物料可靠性，如太阳能板组件，电池，逆变器，场效应管，电路板等。这项岗位的主要工作需要跟遍布中国、马来西亚和澳大利亚的加工厂，硬件以及固件团队协同合作。

同时，成功的应聘者也将通过为公司内的其他项目做出贡献来拓展自身的专业技能。

What you can expect to work on:

- Designing, programming, configuring and running automated test equipment for Okra's electronics products - to be used in both our development labs and at manufacturing premises
- Working closely with Okra's development and manufacturing teams to create test plans for end-of-line (EOL) functional tests, firmware regression testing, stress tests, burn-in tests and accelerated life-cycle testing (ALT)
- Working closely with and maintaining Okra's new Shenzhen testing 'village' to install and run Okra's extended reliability test suite
- Performing root cause analysis on hardware and firmware issues that arise as a result of our large suite of testing

你所期待的工作内容：

- 为Okra的产品设计、调试好ATE自动化测试设备，用于我们的自己实验室和生产厂商。
- 与Okra的开发和制造团队紧密合作制定相关测试计划，例如：生产OL测试，固件回归测试，压力测试，老化测试和寿命周期加速测试。
- 监督和维护Okra的深圳新测试基地，以及安装和运行Okra的扩展性可靠性测试套件。
- 对我们测试中出现的硬件和固件问题进行深度的根本原因分析。

- 在加工厂对有需要的人员进行培训与监督以及对设备进行维护。
- 与供应商沟通，并对关键物料进行测试，以确保其符合设计标准。
- 支持和维护Okra的现有测试设备。

What we need: *you can still apply if you don't fit all the requirements.

- Speaking English at an engineering/business level, or higher. The ability to effectively communicate technical information with an English speaking team
- Speaking Mandarin fluently or above HSK level 5. Communicating requirements to manufacturers and instructing outsourced workers
- Independent self learner. Someone who can quickly take on new concepts and understand how our system works
- 3+ years with designing / programming / configuring automated test equipment for electronics products
- Experience embedded systems development using Python to control external equipment such as PSUs, Eloads and Relays
- Expertise in designing test plans to test all aspects of electronic systems, including function, burn-in, stress and system tests.
- Comfortable with remote working and debugging in cooperation with hardware and firmware engineers abroad
- A university degree in engineering or science, or equivalent industry experience
- A strong understanding of power circuit theory and digital electronics, in particular, solar power systems

我们对岗位的期望: * 如果你不符合所有的要求, 你仍然可以申请。

- 英语口语能有工程或商务基本沟通的水准。能与讲英语的团队进行高效的技术交流。
- 普通话流利或高于HSK 5级。能无障碍的向制造商传达要求并能对外包人工进行指导。
- 独立的自学能力。能够迅速理解新的产品设计概念并理解产品是如何系统地工作。
- 有3年以上设计/编程/配置电子产品的自动测试设备的经验
- 有使用Python或相关软件控制下位机设备进行工作的经验 (电源、电子负载和继电器)
- 熟练制定产品测试计划，用以测试电子产品的各种性能，包括功能老化，压力和系统测试。
- 适应与国外硬件和固件工程师进行远程协同工作和调试

- 电子信息工程，自动化或相关本科/专科学位。
- 对电源的相关模电，数电非常熟悉，特别是太阳能发电系统需有深刻的理解

We also value: *you can still apply if you don't fit all the requirements.

- Experience developing firmware and software in a remote team environment
- Taking electronics products from prototype to high volume in China
- Knowledge of Battery Management Systems (BMS)
- Product development using Agile methodologies
- PCB and PCBA design, preferably in KiCad
- Knowledge of interfaces such as I2C, UART, SPI, RS232
- Version control systems such as Git/SVN

我们也重视: *如果你不符合所有的要求, 你仍然可以申请。

- 有在远程工作团队的环境下开发固件和软件的经验
- 有在国内将电子产品从原型一直设计并跟踪到大批量生产的经验
- 了解电池管理系统 (BMS)
- 使用Agile方法开发过相关产品
- PCB和PCBA设计，最好使用KiCad软件
- 熟悉单片机通讯，如I2C、UART、SPI、RS232
- 熟悉版本管理软件，如Git/SVN的经验

Benefits

- Professional career progression and opportunity to take on leadership responsibilities
- All expenses paid for national and international team trips (yearly team retreats, hackathons, etc.)
- Cover for work travel, health insurance, sick leave and equipment (i.e. laptops)
- A great work culture in fast paced startup environment with multinational staff
- The ability to take on additional relevant education while working
- Mentorship from our investors (Schneider Electric, Greenway Grid Global) and a range of experienced leaders and changemakers in our network.

福利

- 有成为领导者去带领团队的机会
- 国内和出国出差的所有费用都可全额报销
- 提供出差、医疗保险、病假和设备（如笔记本电脑等）的所有费用
- 在快节奏的创业环境中跟各国员工享受良好的工作以及企业文化
- 在工作期间享有额外相关培训的机会
- 我们投资者 (Schneider Electric, Greenway Grid Global) 以及公司网络中很多资深的领导将会在工作中对我们进行指导。

Internal Liaisons

- Hardware engineering colleagues
- Firmware engineering colleagues
- Manufacturing colleagues

External liaisons

- Okra's contract manufacturer
- Okra's various supply chain partners
- Other relevant Chinese personnel that can assist you in your role

内部联络窗口

- 硬件工程同事
- 固件工程同事
- 制造商同事

外部联络

- Okra的合同制造商
 - Okra的供应链
 - 其他能协助你工作的中国相关同事
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More About Okra

1 billion people around the world still don't have access to clean and reliable electricity. Okra has financial backing from investors including Schneider Electric, Smart Axiata, Greenway Global Grid. Our mission is to use IoT and big data to provide technology that will enable rapid electrification of the 1 billion people who don't have electricity. We are expecting to continue our trajectory of being a high growth company over the next few years, so this is an exciting time for everyone!

关于Okra更多了解

全世界仍有10亿人无法获得清洁可靠的电力。Okra拥有 Schneider Electric, Smart Axiata, Greenway Global Grid 投资者的资金支持。我们的使命是利用物联网和大数据，使10亿没有电的

人能够快速用上电力。作为一家高速增长的公司，我们希望在未来的几年能在我们成长的轨道上继续保持，所以对每个人来说，这是一个很令人激动的时刻！

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#PowerToThePeople

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不适合你？

看看其他适合你的职位

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