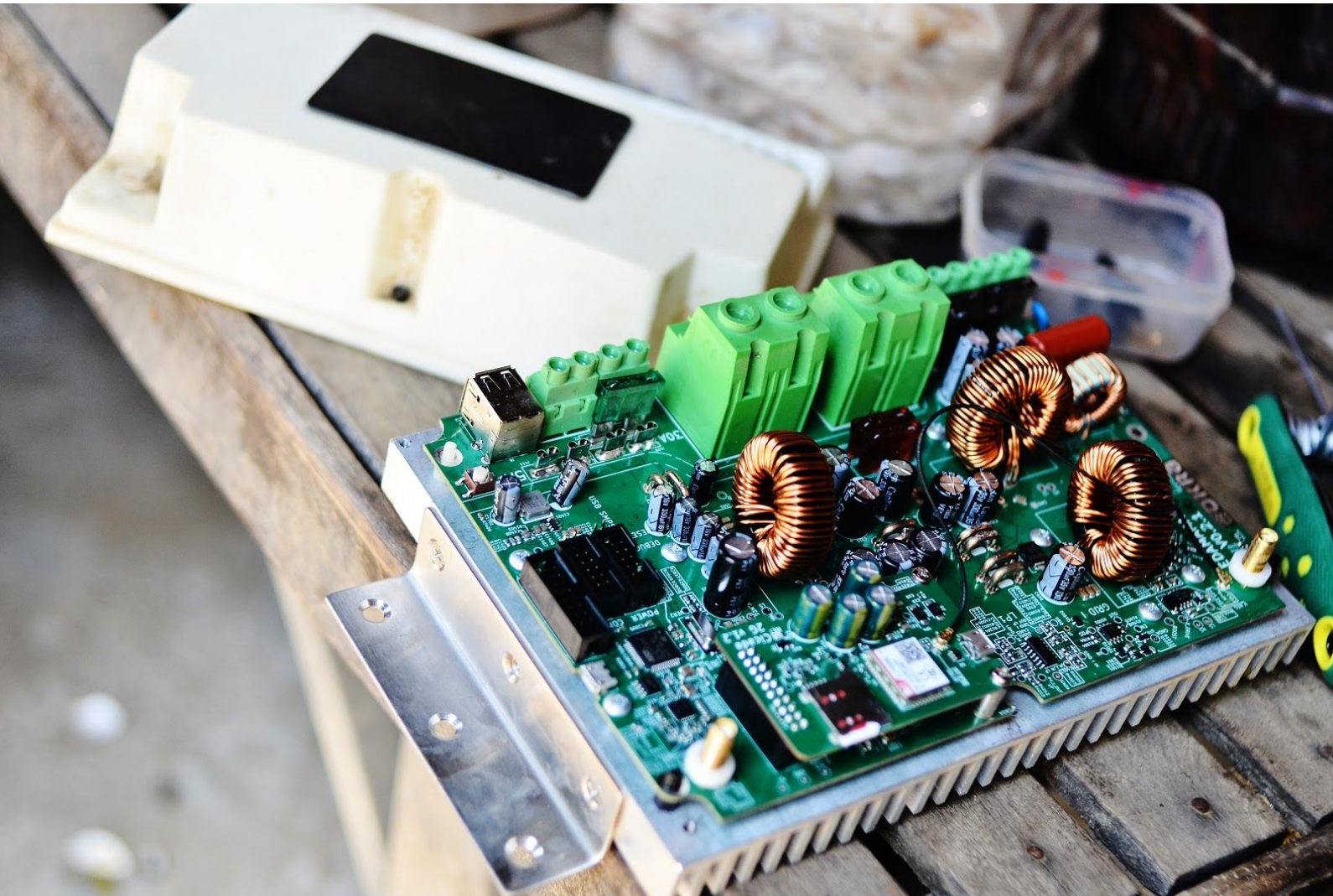


## Hardware Test Engineer

- Full-time
- Start Date - Immediately
- Based in Shenzhen, China
- 14,000-18,000 RMB / month

**What's Okra?** We're an IoT startup company bringing energy access to the 1 billion people who don't have power. In 2019 we made the [Cleantech 50 Companies to watch](#), we [won the 2019 Techcrunch Hardware Battlefield](#) in Shenzhen, won the [2019 IEEE Empower A Billion Lives](#) competition and were the back to back [2018 and 2019 PFAN clean energy Business Plan Winners](#). We are looking for a hard working and dependable Hardware Test Engineer to join our team - to help us manufacture dependable IoT products.



## Opportunity

Okra is looking for a **Hardware Test Engineer** with intermediate / senior experience to join our team full-time in Shenzhen. The role is based primarily in Nanshan district (where our main office is located) and includes frequent visits to factories in Longgang and Huizhou.

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### What you can expect to work on:

- ❑ Designing / programming / configuring automated test equipment for Okra's electronics products
  - ❑ Creating test plans for end-of-line (EOL) functional tests, stress tests, burn-in tests and highly -accelerated-life-cycle tests (HALT)
  - ❑ Visiting manufacturing facilities to supervise and train QC staff on using Okra's automated test equipment
  - ❑ Ensuring QA and QC standards are met during production runs
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### What we're looking for: *\*you can still apply if you don't fit all the requirements.*

- ❑ Fluency in Mandarin OR speaking Mandarin at or above HSK level 5
- ❑ Good spoken and written english level
- ❑ 3+ years experience with designing, programming and building automated test equipment and test jig fixtures
- ❑ 3+ years experience with embedded development using Python
- ❑ Experience with SCPI and ModBus protocols
- ❑ 2+ years experience with creating test plans for functional tests, burn-in tests, stress tests and staging tests
- ❑ Experience with controlling and automating test equipment such as PSUs, eLoads and DMMs
- ❑ Experience with statistical analysis of test results
- ❑ A fundamental understanding of basic power electronics
- ❑ Excellent communication skills with the ability to work with a remote team
- ❑ Someone who takes responsibility and ownership of outcomes
- ❑ A university degree in engineering or science, or equivalent industry experience

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

- ❑ Experience taking electronics products from prototype to high volume in China
  - ❑ Product development using Agile methodologies
  - ❑ DFX methodologies
  - ❑ PCB and PCBA design
  - ❑ Interfaces such as I2C, UART, SPI, RS232
  - ❑ Version control systems such as Git/SVN
  - ❑ LabVIEW or HiASM
  - ❑ A keen interest in solar technologies and social impact
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## Benefits

- ❑ Flexible work location and working hours
  - ❑ 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.
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## Internal Liaisons

- Hardware engineering team
- Firmware engineering team
- Manufacturing team

## External liaisons

- Equipment / component suppliers
- Contract manufacturers



## Our Challenge

After successfully deploying our prototype product in pilot projects across Cambodia, Philippines and Indonesia, Okra is looking for an experienced and motivated **Hardware Test Engineer** who can help us improve product reliability so that more people can have reliable access to electricity.

The successful candidate will join a team of 21 people that are working between China, Malaysia, Cambodia, Philippines and Australia with us. This is an opportunity to join a diverse and talented team that thrives on entrepreneurial innovation and diversity, so if you are looking for an extremely enjoyable work culture with fun and smart people, and you have a passion for innovation and social impact this is the job for you.

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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!

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# #PowerToThePeople

### Not for you?

Check out out these other [job openings](#) that may fit your profile:

- Team Lead - Hardware Engineer
- Senior Power Electronics Design Engineer