EMBEDDED QA ENGINEER

Striving for excellence is in our DNA. Since 1993, we have been helping the world's leading companies imagine, design, engineer, and deliver software and digital experiences that change the world. We are more than just specialists; we are experts.

EPAM is committed to providing our global team of 58,800+ EPAMers with inspiring careers from day one. EPAMers lead with passion and honesty and think creatively. Our people are the source of our success and we value collaboration, try to always understand our customers' business, and strive for the highest standards of excellence. In today's new market conditions, we continue to support operations for hundreds of clients around the world remotely, with the vast majority of our teams working from home. No matter where you are located, you will join a dedicated, diverse community that will help you discover your fullest potential.

No less important is the safety, well-being and experience of our applicants. Therefore, until further notice, all EPAM employment interviews will be conducted remotely. Our recruitment professionals and hiring managers are standing by to ensure a robust and engaging virtual candidate experience. We look forward to speaking with you!

DESCRIPTION

As an **Embedded QA Engineer**, you will be responsible for testing and test automation development on a set of smart city devices, ensuring the delivery quality over two different product lines: Linux-based embedded camera and lighting controller for street lamps. Both product line integrates into a smart city platform deployed to multiple US cities.

RESPONSIBILITIES

- Manual feature testing and manual regression testing
- Root cause analysis and troubleshooting of production issues
- Test cases design, documentation, and maintenance

- Design and implementation of test automation framework and automated test cases
- Development and maintenance of CI/CD pipelines

REQUIREMENTS

- Knowledge of basic testing theory (equivalent to ISTQB Foundation level)
- Strong root cause analysis and debugging skills
- Work experience in a self-managed independent environment
- Python core skills and experience with test automation libraries

NICE TO HAVE

- Linux distributions: software compilation, shell scripting
- Intermediate network skills: routing, traffic interception, and decryption
- Embedded development: knowledge of C and embedded toolchains, measuring equipment, communication protocols
- Experience in testing of real devices / hardware
- Jenkins pipelines
- Understanding of electrical schematic / electronics
- LwM2M protocol and development ecosystem
- Experience with LTE network (Cat M1) and GPS

TECHNOLOGIES

- Device side: LTE Cat M1 SoC, STM32 MCU, embedded C, GPS, LwM2M, HTTP(S), UART, ADC, I2C, GPIO
- Test automation side: Python, pytest, qTest, Jenkins, Eclipse Leshan/hawkBit

WE OFFER

- Dynamic, entrepreneurial, high speed, high growth corporate environment
- Diverse multicultural, multi-functional, and multilingual work environment
- Opportunities for personal and career growth in a progressive industry
- Global scope, international projects
- Widespread training and development opportunities
- Unlimited access to LinkedIn learning solutions
- Competitive salary and various benefits
- Sport and social teams support, recreation area, advanced CSR programs

HOW TO APPLY

If you are interested in the above-mentioned position, please send a detailed CV (in English) referring to the position to: job_hu@epam.com

EU HEADQUARTERS

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