



Job Title: **Software QA Analyst**

Reference: ENG-046

About EERS

Founded in 2014, EERS Global invents, designs and tests in-ear advanced technologies to accelerate go-to-market of game-changing products. Our cutting-edge technology augments the human experience in communication in challenging situations, hearing protection, biometric and wellness monitoring, brain computer interfacing, and is repeatedly validated in the field and some have become an ANSI [Standard](#).

Through co-development partnership, we bring a stream of new products to market. Beyond prototyping, we produce actual scalable, easily transferable, manufacturable product taking the development execution risk out of the equation.

A global centre of excellence in research in acoustics, audio and biosignal processing, in-ear technologies and product development, we attract high-caliber scientists and engineers to our team. Our head office is located in the heart of downtown Montreal. We offer competitive salaries as well as a great team environment. EERS Global is an equal-opportunity employer committed to diversity.

Job Description

Reporting to the Lead Software Engineer, the **Software QA Analyst** will help EERS test devices and software for next-generation audio applications. This work targets physical embedded devices, desktop GUI applications, command-line tools, data processing scripts, mobile apps and web applications. It also leverages good documentation and procedures, build automation, and continuous delivery to ensure high-quality deliverables for our clients.

We are looking for candidates that are versatile, passionate about technology, and that dislike bugs!

Duties and Responsibilities

- Take ownership of software quality and collaborate with R&D teams to test, verify and validate new products, features and bug fixes
- Develop and execute automated, semi-automated and manual test procedures
- Purchase and build equipment that allows repeatable efficient testing of systems
- Ensure that good and consistent unit testing practices are followed by development teams
- Enact good release management practices
 - Internal software release procedures
 - Automate software and source code package creation
 - Respect semantic software versioning
 - Review software deliverables
 - Maintain release notes
 - Validate software documentation
 - Ensure open-source licenses are properly listed and adhered to



Education and Professional Experience

- DEC or Bachelor's Degree in computer related programs or equivalent professional experience
- Minimum 3 years of professional experience in software quality assurance

Knowledge, Skills & Abilities

Qualifications

- Knowledge of common classes of bugs (ex: out of range inputs, race conditions)
- Test-oriented programming (i.e., ability to create and extend automated test procedures)
- Proficiency with Windows, web browsers and mobile phones and the ability to use command line interface

Nice to Have

- VM-based test environments
- Stochastic software testing
- Test frameworks: Python, C, mobile, web
- Git source control
- Writing Linux and/or Windows shell scripts
- Configuring automated build and packaging systems

Soft Skills

- Strong time management and organizational skills; ability to manage multiple tasks, be punctual and meet deadlines.
- Good intuition to prioritize test efforts towards appropriate aspects of the software
- Quality communication and written skills in English and French
- Ability to work both independently and collaboratively in multidisciplinary teams.
- Ability to contribute to multiple concurrent projects