



## Software Engineer

### **About MaxCyte:**

MaxCyte is a leading commercial cell-engineering company focused on providing enabling platform technologies to advance innovative cell-based research as well as next-generation cell therapeutic discovery, development, and commercialization. Over the past 20 years, we have developed and commercialized our proprietary Flow Electroporation® platform, which facilitates complex engineering of a wide variety of cells. Our ExPERT™ platform, which is based on our Flow Electroporation technology, has been designed to support the rapidly expanding cell therapy market and can be utilized across the continuum of the high-growth cell therapy sector, from discovery and development through commercialization of next-generation, cell-based medicines. The ExPERT family of products includes: four instruments, the ATx™, STx™, GTx™, and VLx™; a portfolio of proprietary related processing assemblies or disposables; and software protocols, all supported by a robust worldwide intellectual property portfolio.

### **Job Summary:**

The Software Engineer leads software development activities for MaxCyte. This job role will include all software program activities including software architectural design, coding, simulating/emulating/testing, verification/validation and documentation. The Software Engineer will be responsible for software engineering activities from concept to commercialization.

### **Job Responsibilities:**

- Responsible for all aspects of software development
- Design and develop instrument embedded control software
- Improve instrument reliability by implementing error detection & avoidance
- Design and implement software based on current best practices
- Write code that is easy to read, maintainable and extendable using best practices
- Create documentation adhering to quality procedures, regulations, standards and industry best practices under design control and stage-gate process
- Interface with stakeholders to collect and define requirements
- Design and develop user interfaces

- Verify and validate software by writing and executing formal test cases
- Develop software development project artifacts and documents
- Maintain version control and administer code repository
- Work with external software development teams
- Manage software updates in partnership with technical support and field engineering team members
- Assist engineering technical support in troubleshooting and compliant investigations
- Support manufacturing & product development by developing automation & test scripts
- Establishes and maintains engineering standards and procedures
- Reports progress regularly to management
- Complies and adheres to all Company health, safety and environmental policies
- Other duties as assigned

**Job Requirements:**

- B.S. in Computer Science, Computer Engineering, or Electrical Engineering and 5+ years work experience developing software. M.S. and experience in life sciences or medical device industry preferred.
- Strong understanding and demonstrated experience with instrumentation control software. Must have experience with the following:
  - Controlling hardware (e.g., data acquisition, pumps, etc.)
  - Communications (wireless, USB, LAN, I<sup>2</sup>C, SPI, etc.)
  - Usability and GUI design
  - Database programming (SQL preferred)
  - Windows, Linux, and real-time OS
- Proficient with C/C++/C#
- Strong understanding and demonstrated experience with software development best practices. Experience with the following:
  - Agile development
  - Development and maintenance of project artifacts
  - Formal Verification and Validation testing
  - Writing and conducting static and dynamic test cases

- Up-to-date regarding modern cybersecurity threats
- Bug/issue tracking (Jira, Bugzilla, etc.)
- Version control (Bitbucket or equivalent)
- Familiarity with computer architecture
- Experience working with an external development team
- Strong troubleshooting skills (particularly regarding hardware control software)
- Familiar with FDA regulations of software preferred
- Ability to work effectively in team environment as well individually
- Demonstrated ability to be creative and willing to contribute to areas outside of personal expertise
- Strong oral and written communication skills
- Strong organization and time management skills
- Experience developing project schedules (MS Project preferred)
- Ability to travel 10-15 %

MaxCyte, Inc. is an equal opportunity employer. To apply, please send your resume and cover letter to [careers@maxcyte.com](mailto:careers@maxcyte.com). Please reference **Software Engineer** in the subject line.