



## JOB DESCRIPTION

### Title: Software Developer, for Kytopen

#### Overview

[Kytopen](#) is an MIT spinout streamlining the engineering of a wide array of human and human-derived cells for use in next-generation cell therapies, with the goal of expanding access to powerful new living medicines. We enable transformative therapies with our patent-pending continuous *Flowfect*<sup>®</sup> cell engineering platforms. The non-viral *Flowfect*<sup>®</sup> technology is a fast, scalable, and gentle gene delivery process that yields billions of high-quality engineered cells in minutes while maintaining cell health and function. We seek passionate, pioneering people to join the team on this mission.

#### Summary

The Software Developer will work with Kytopen's Engineering team, supporting the product development efforts at Kytopen. The qualified candidate will demonstrate the ability to effectively execute technical development in the areas of software systems required for development and use of the Kytopen *Flowfect*<sup>®</sup> cell transfection systems. This individual will coordinate with customers and other developers to deliver custom-tailored technology to advance scientific and commercial goals.

#### Qualifications and Skills

The ideal candidate will be a high energy, confident individual possessing strong communication skills, with a degree in Software Engineering, Computer Science, or related degree, and with at least 2-4 years industry experience in the medical device, diagnostic, or pharmaceutical fields.

#### Responsibilities and Duties (What we need)

- Support and expand existing codebase of Kytopen proprietary software
- Adhere to Kytopen's existing quality and code standards during development
- Identify and interpret the appropriate regulatory standards and guidelines driving design
- Design and develop necessary software following best practices, including identifying user needs, defining specifications, and executing verification and validation
- Implement graphical user interfaces as required, incorporating usability and input from human factors design approach
- Demonstrate prototype solutions to customers and review and incorporate feedback into design
- Advise leadership and contractors as subject matter expert on various aspects of software development
- Generate documentation and product use instructions for deployment to internal and external customers
- Implement Agile software development strategies, where appropriate, to deliver results

#### Requirements (About you)

##### What:

- B.S. in engineering, software, or related technical discipline
- 2+ years of experience developing software for medical devices, diagnostic, pharmaceutical, or related systems

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- Experience with quality standards for software verification and validation
- Self-starter capable of independent investigation
- Experience in C, C++, VBA, Python, Javascript, and Front-End development tools
- Experience in web development
- Familiarity with version control / branch management processes
- Strong organizational, analytical, problem-solving, root-cause-analysis, and trouble-shooting skills
- Strong written and verbal communication skills
- Experience in Laboratory Automation a plus

## **How:**

- Ability to work within a diverse workforce and provide a positive and motivational work environment
- Entrepreneurial and comfortable in a fast-paced environment
- Ability to adapt to shifting constraints while maintaining high performance and morale
- Ability to interface collaboratively with internal and external customers
- Self-motivated and collaborative, with excellent time management
- Demonstrated leadership ability to exemplify Kytopen's values of: Impact, Passion, Integrity, Resilience, and Inclusivity

## **Preferred (More about you...)**

- Experience developing products within US FDA GMP/GLP, ISO13485, CE, and related regulations and guidelines
- Cell and gene therapy device manufacturing experience preferred, but not required