**Job Title: Software Engineer**
**Company:** Ora Biomedical, Inc.
**Location:** Tukwila, WA (Hybrid Work Options Available)
**Job Type:** Full-time

### About Ora Biomedical, Inc.:

Ora Biomedical, Inc. is a cutting-edge longevity biotechnology startup revolutionizing healthy lifespan extension through advanced drug discovery. Located in South Seattle, we combine robotics, artificial intelligence, and large-scale, high-throughput screening to identify groundbreaking longevity therapeutics. Our team of passionate scientists and engineers is driven by the mission to fight chronic disease and promote healthy aging through innovative interventions.

### Position Overview:

We are seeking a highly motivated Software Engineer to join our interdisciplinary team. In this role, you will be instrumental in developing and optimizing the software systems that power Ora Biomedical's longevity-focused drug discovery platform. This is a unique opportunity for a software engineer with a strong interest in biotech to make a direct impact on the future of healthcare by contributing to the discovery of life-extending therapies. If you thrive in a fast-paced, startup environment and are passionate about applying technology to revolutionize healthspan, this role is for you.

### Key Responsibilities:

- Collaborate with the Chief Technology Officer (CTO) to design, develop, and enhance software systems that accelerate our drug discovery and development processes.
- Lead and participate in all phases of the software development life cycle, including requirements gathering, design, coding, testing, deployment, and ongoing support.
- Write, test, and optimize Python code using libraries such as OpenCV, PyPlot, SciPy, Torch, and PyTorch to process and analyze biological and pharmacological data.
- Design, manage, and maintain relational databases to store and organize large-scale biological and pharmacological datasets, ensuring efficient data retrieval and integration with machine learning models and analysis pipelines.
- Build and integrate machine learning models, particularly in the areas of computer vision and data analysis, to support high-throughput drug discovery.
- Design and implement custom image processing algorithms for biological data analysis, including analyzing microscopy images of biological specimens.
- Create and maintain data visualization tools using R and Python and related relevant libraries to communicate complex scientific findings.
- Collaborate closely with biologists, data scientists, and automation engineers to develop software solutions that bridge biology and technology.
- Stay updated on the latest advancements in machine learning, AI, and biotechnology, integrating cutting-edge technologies into the software development process.
- Manage project timelines, ensure milestones are met, and adapt to the dynamic environment of a growing biotech startup.

**Required Qualifications:**

- Bachelor's degree in Computer Science, Engineering, or a related field. An equivalent combination of experience and education may be considered.
- Proficiency in Python, with experience using libraries relevant libraries such as OpenCV, PyPlot, SciPy, Torch, and PyTorch.
- Experience in database engineering and management, including design, optimization, and maintenance of relational (e.g., SQL, PostgreSQL, MySQL) and NoSQL databases (e.g., MongoDB, Cassandra), with an understanding of data modeling, indexing, and query optimization techniques.
- Experience with machine learning model development, particularly for image processing, computer vision, or biological data analysis.
- Strong knowledge of software development tools such as GitHub for project management.
- Excellent problem-solving abilities and a creative approach to technical challenges.
- Strong interpersonal and communication skills, with the ability to collaborate effectively in a team environment.
- Ability to work independently, prioritize tasks, and manage multiple projects in a fast-paced setting.
- A passion for science and applying computational methods to advance longevity research.

**Preferred Qualifications:**

- Advanced degree (Master's or PhD) in Computer Science, Machine Learning, Bioinformatics, or a related field.
- Publication history that includes development of algorithms for biological data analysis, particularly in the areas of microscopy image processing or drug screening.
- Familiarity with robotics, laboratory automation, or optical/electrical engineering.
- Experience developing environmental sensing or optical devices.
- Experience with grant writing, particularly in securing funding for technical projects.
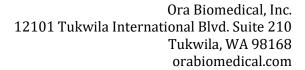
**Benefits:**

- Competitive salary with robust equity options.
- Comprehensive health, dental, and vision insurance.
- 401(k) retirement plan.
- Professional development, training, and growth into leadership roles.
- Dynamic, collaborative startup culture with flexible work hours and hybrid work opportunities.
- Opportunities for charitable and volunteer work with science education and open science initiatives in Seattle and across the longevity biology ecosystem.
- Paid time off and holidays.

**How to Apply:**
Interested candidates should submit their resume and a cover letter detailing their interest and qualifications to **mitchell@orabiomedical.com**. Please include "Software Engineer Application" in the subject line.

Ora Biomedical, Inc. is an equal opportunity employer. We celebrate diversity and are committed to creating an inclusive environment for all employees. We encourage applications from individuals of all backgrounds and experiences.

Join us in redefining the future of healthcare and healthy aging through innovation!