

R&D SYSTEMS ENGINEER

Job Type: Full-Time, Onsite

Location: Mountain View, California (with additional office in Santiago, Chile)

Overview:

Levita Magnetics is transforming minimally invasive surgery through [Magnetic Surgery®](#) and its surgical robot [MARS™](#). We operate in a lean, face-paced environment with a growing pipeline of innovative products.

We are seeking a Systems Engineer to strengthen our R&D team. The role spans across software, hardware, and clinical topics. You will be influencing strategic decisions on the mechanical design and algorithmic approach to solve complex physical problems. You will help support the current FDA-cleared product and work on future design iterations, preparing them for FDA submission and eventual commercial launch.

Come join a dynamic and highly motivated group aiming to reduce the invasiveness and improve the efficiency of surgery for millions of people worldwide via an innovative combination of magnetism and robotics!

Key Responsibilities:

- Design and develop complex electromechanical medical devices using a systems-level, data-driven approach.
- Support cross-functional teams spanning Clinical, Program Management, Research & Development and Operations.
- Derive system requirements from clinical and business needs and manage their traceability through risk and verification.
- Plan and execute engineering studies to identify optimal engineering solutions based on first principles.
- Develop test methods to characterize system performance throughout the product lifecycle.
- Prototype software and hardware methods to acquire and analyze experimental data.
- Support general troubleshooting, complaint investigation, and servicing in the field.
- Conduct design reviews, change orders, etc.
- Apply good engineering practices to stay in compliance with the company's Quality Manual, Training and SOPs.

Qualifications:

- Bachelor's degree in engineering discipline.
- At least 4 years of total industrial and research experience.
- At least 3 years of experience in regulated industry (medical, aerospace, automotive, etc.).
- Proficiency with relevant standards such as IEC 60601-1, 21 CFR 820
- Ability to analyze and write code in Python and C++.
- Excellent spoken and written communication skills
- Ability to work independently and efficiently with minimal supervision
- Ability to thrive in a startup environment with a hands-on, proactive approach

Qualified candidates, please send an email with your resume to cyanez@levita.com

Levita Magnetics is an equal opportunity employer. We celebrate diversity and are committed to creating an inclusive environment for all employees. We offer stock options and a comprehensive benefits package, including a 401(k), medical/dental/vision and life insurance, and wellness benefits.

[Levita.com](https://levita.com)