



SOFTWARE ENGINEER

Seattle, WA, United States

Voxa is a nanotech scientific instruments company dedicated to advancing humanity through nanotechnology. We are transforming analytical nanoscale imaging to make it more accessible to a larger pool of scientists, engineers, educators, learners, and the public around the globe. The challenges at Voxa are diverse, ranging from building the fastest electron microscopes on the planet to improving our nano-sensing systems, currently on the International Space Station, for human exploration on the moon and Mars. Do you want to leverage your core talents to build some of the world's most advanced imaging and measurement technologies, pushing new limits in neuroscience, space exploration, energy and materials science? If so, Voxa is the company for you.

Position overview:

As Voxa's **Instrumentation Software Full Stack Developer**, you will have the unique opportunity to work on bleeding-edge scientific and engineering tools. You will report directly to the Founder and CEO, and will have the ability to work on interesting projects with high-visibility customers.

We're looking for a builder who is masterfully focused on excellence and passionate about our mission to improve the human experience. Your unyielding dedication to quality will be expected in developing technical software, building great products, delighting our customers, and working effectively with accomplished teammates. You will also put your development knowledge to the test by working on and creating innovative technology solutions to deliver to pioneers in the fields of neuroscience, human health, pollution control, space exploration, and others. The work will be demanding but with great meaning—Voxa tools catalyze new forms of discovery and aid in furthering human technological progress.

RESPONSIBILITIES

- Deliver prototypes, products, and documentation supporting customer orders, R&D, and service requirements.
 - Architect, develop, and manage software and firmware powering complex physical electromechanical systems
 - Translate ideas and system requirement specifications into engineering designs, software, and firmware driving physical prototypes and finished products.
 - Produce rapid prototypes of novel concepts and customer requirements.
 - Write reusable, modularized, maintainable code documented for teammates to understand and collaborate on.
 - Design and execute rigorous test protocols to ensure function and integration meeting specifications.
- Consistently execute and deliver technical projects on time.
- Provide ongoing maintenance and refactoring of dynamic production codebases, with close integration with physical production design versions.
- Identify, report, and manage project risk with team members and management.
- Provide real-time service support to customers in the field.

Possible additional responsibilities, dependent on candidate expertise:

- Support and represent Voxa at trade shows, conferences, and PR events.
- Interface with customers at various stages of the customer lifecycle.

**Technical skillset:**

- Python, Objective C / Swift, C/C++/C#, and JavaScript fluency. Emphasis on C/C++ or similar.
- Experience with hardware-software interfacing.
- At least 2 cumulative years of experience (independent and or professional) with software systems development via professional experiences, internships, research and/or outside-of-classroom projects.
- Degree in relevant computational engineering fields.
- Direct experience with charged-particle optics, vacuum systems, or automation technologies a plus.

Preferred candidate qualifications and attributes:

- Truly enthusiastic about developing and delivering next-generation technology to delight customers and improve the human condition.
- Detail-oriented and able to map details to big-picture outcomes.
- Ability to quickly attain proficiency in new programs, processes, and paradigms.
- Ability to make and track independent progress with minimal oversight.
- Self-motivated with strong multi-tasking, organizational, and documentation skills.
- Strong sense of accountability and integrity with excellent written and verbal communication skills.
- First-principles and systems-oriented engineering approach.
- User-centric design and implementation philosophy.
- Strong communication skills, particularly in documentation and support domains.
- Experience operating in concurrent R&D and production environments.
- Ability to work collaboratively within a team towards team goals.
- Experience with hands-on software and firmware development including customer requirements, system design, architecture, documentation, implementation, optimization, testing, and customer delivery.
- Experience in IT, cloud services, big data, and supercomputing is a plus.

Other:

- Applications from non-US residents welcome

Most work takes place at the office/lab in north Seattle, with minimal travel for events like conferences.

Benefits: Initially contract basis, moving towards full time employment with benefits as the company grows. Salary DOE.

Voxa is an equal opportunity employer dedicated to a fair, unbiased work environment for all. Employment with Voxa is governed on the basis of merit, competence and qualifications and will not be influenced in any manner by race, color, religion, gender, national origin/ethnicity, veteran status, disability status, age, sexual orientation, gender identity, marital status, mental or physical disability or any other legally protected status.

Applicants requiring reasonable accommodation to the application/interview process should notify Voxa human resources at admin@projectvoxa.com.

<http://projectvoxa.com>