

Software Engineer, DevOps

About us: We are a team of engineers, researchers, and physicians transforming the understanding of disease through Multiplexed Ion Beam Imaging (MIBI), a next generation imaging platform. By using secondary ion mass spectrometry to measure isotopically labeled antibodies, we offer a huge increase in simultaneous targets as well as high resolution and 3D imaging. Researchers and clinicians use MIBI to provide new insights into a wide variety of biomedical applications including oncology, immunology and neuroscience. From a technical point of view MIBI is exciting because it involves biology, vacuum, high voltage, ion beams, time of flight mass spectrometry, signal processing, imaging, and motion control. You will enable the software that makes this all work together to run seamlessly and reliably.

About you: You are an experienced DevOps engineer. You are equally excited working at the bleeding edge of cloud technology and being close to the metal in Linux environments. By automating Ionpath's software pipeline and improving the reliability of our services, you will contribute to MIBI's potential to transform oncology, immunology and neuroscience. This position is an opportunity to be a core member of a small but growing software team, and is a good fit for someone eager to wear many hats while knowing how to prioritize among them. You should be a seasoned engineer who insists on rigorous testing and thorough documentation, yet is excited to experiment and try new things.

Responsibilities

- Closely collaborate with firmware and software engineers to establish and monitor reliability metrics.
- Configure and maintain services hosted on cloud platforms such as GCP or AWS.
- Set up and maintain Ansible, Terraform or similar tools for infrastructure configuration/automation.
- Administer both Linux and Windows environments.
- Establish dashboards for displaying status of multiple services.
- Employ software best practices including design documentation, issue tracking and unit testing.
- Configure and troubleshoot networking of systems that include custom hardware.

Requirements

- 4+ year degree in computer science, computer engineering, electrical engineering, or equivalent experience.
- 3+ years professional software development, with experience in the following areas:
 - Scripting using Python, Node.js, or similar.
 - Running Docker containers on cloud platforms (GCP and/or AWS).
 - Network administration.
 - Experience with continuous integration tools like CircleCI or Jenkins a plus.
- Excellent oral and written communication skills.

Bonuses

- Experience with custom hardware.

For more information, contact informatics-jobs@ionpath.com.