

Healthcare Cloud Sr. Infrastructure Engineer

LifeVoxel.AI
San Diego, CA, United States

Job details

Job Type
Full-time

Full Job Description

Overview

LifeVoxel.AI is a US-based medical device company with headquarters in Stamford, CT. We are developing and marketing a GPU cloud based medical imaging platform for AI and visualization integrated in the daily workflow of customers. We have a unique approach that has 12+ patents. We are passionate about working with end users to develop workflow and imaging tools which are easy to use and meet real clinical needs.

Job Description

As a **Senior Cloud Sr. Infrastructure Engineer** your main area of responsibility will be the development, testing and release of software for an intraoperative medical imaging device. As a Senior Infrastructure Engineer of medical device software, you will be expected to own and drive software projects from a holistic perspective, ensuring that solutions are developed, documented, and implemented according to medical software processes and standards such as FDA and ISO-13485. Day-to-day activities will include coding, code reviews, testing, and documentation, all while staying in the loop cross-functionally with multiple teams to ensure proposed solutions meet or exceed customer requirements and fit with the expected intra-operative workflow of the device.

Major Responsibilities:

- Provide UNIX expertise across a global virtual team aimed at solution design, build, configuration and support as per application requirements.
- Work with application teams to understand the constraints, assumptions, issues and imperatives relating to UNIX, GPU cluster and the application architecture and help to address these over time
- Working with Engineering teams - research and communicate emerging system integration trends in order to mentor the team on best practice, to gain input buy-in and influence decision making.

- Participate in project and wider department forums in order to provide assurance on architectural principle conformance
- Be pro-actively vigilant in spotting potential operational risks and mitigate to avoid or minimize downtime of services
- Understand business &, environments to prioritize tasks and incidents
- Responsible for all UNIX aspects of the GPU farm including the design, build, ongoing enhancements (e.g., automation) and support. As an engineer within the infrastructure group and part of a DevOps team you will work closely with the application and infrastructure to ensure that critical services function to the required standards. Maintain and improve SLA's and ensure compliance. Actively participate to achieve organization objectives for efficiencies, innovations, and quality delivery.
- Perform pro-active analysis on day-to-day work, identify areas for automation, report and follow up on process or technical gaps, reduce repeat or false incidents, and standardize tasks/processes. Work with colleagues across the wider IT team to gain best practice solutions/automation, reduce risk and further the DevOps strategy.
- Support 24 hrs x 7 days in week x 365 days from office or on-call depending on business needs
- Customer Service and Problem Resolution
 - Actively participate in Crisis calls taking the lead from an infrastructure and UNIX perspective
 - Participate in identifying problem situations and resolve to give maximum customer satisfaction

Minimal Qualifications:

- Must have substantial experience (5 -10 years minimum) of UNIX administration including knowledge of the Ubuntu, Linux and GPU clusters.
- Automation is an important work stream for the candidate and could amount up to 30% of the overall work scope. There is a lot of focus on reducing manual effort by introducing automation via Scripts, Tools & Processes. The potential candidate should be able to demonstrate some level of knowledge and/or experience on automation work done in the past.
- Good experience with Operating System Performance tuning and monitoring
- Expert level knowledge of cluster storage volumes.
- Good practical knowledge of Networks and network technologies
- Good understanding of the Linux and Unix
- Provide Architecture design and support for development projects
- Experience working with Database teams supporting MySQL databases
- Provide Capacity and Performance reviews
- Strong knowledge of data migrations
- Good knowledge of RAID Levels such as RAID-0, RAID-1, RAID-1+0, RAID-5.
- Excellent scripting skills. Ability to develop complex shell scripts as per requirements
- Ability to install/configure 3rd party products based on using provided install guides
- Proven experience in the build and configuration of new servers (virtual and physical)
- Ability to support Disaster Recovery tests and High Availability configurations
- Effective in dealing with Crisis calls/Critical issues for business-critical services

- Proven experience in technically guiding teams in productivity driven environment
- Proven experience in managing and building relationship with developers. Experience of working as an engineer on development projects with responsibility for all UNIX aspects
- Experience of working in production support
- Working across cultures with people located across the globe
- Bachelor's degree or Technical Diploma in Software Engineering, Computer Science, or equivalent

Highly Desired Skills:

- Great communication skills, both verbal and written
- Comfortable using Git or similar source code versioning tools
- Familiarity with Jira/Confluence or MS Teams/Azure DevOps/Sharepoint or similar tools
- Ability to learn new technologies independently and quickly
- Experience of DevOps deployment and monitoring tooling such Jenkins, Docker, Kubernetes etc.
- Experience as a hardware engineer responsible for the build of new servers and diagnosis of hardware faults
- Ubuntu and Linux knowledge
- Possess industry standard certifications for UNIX/Cluster and GPU cluster Technologies.
- Self-starter with ability to manage multiple projects / assignments simultaneously
- Honesty, integrity, and a strong desire to succeed
- Experience working in a small team or start-up environment

Job Type

Full-time

Location

San Diego, United States