Job Title: Software deployment engineer

Job Description:

Located in Fort Collins, northern Colorado, Digital Pore Solutions is focused on developing commercial Digital Rock Technology software packages for image processing, digital porous media construction, and pore-scale modeling of multiphase flow and transport. These software tools provide high-fidelity simulations of multiphase fluid flow and solute transport in diverse, heterogeneous porous materials across multiple scales. Our mission is to offer innovative, cost-effective solutions to overcome subsurface energy and environmental challenges.

We are seeking a skilled software deployment engineer to join our team who guide, develop and deploy Digital Pore Solutions' specialized scientific software for ease of use by clients and professionals.

Duties and Responsibilities:

- **Deployment and installation:** Design, develop, and maintain deployment processes for our scientific software, ensuring smooth and efficient installation across a range of environments (local and cloud).
- **Automation:** Maintain deployment pipelines using CI/CD tools to streamline the delivery of software releases and updates to production systems.
- **Troubleshooting & Support:** Provide timely resolution to deployment-related issues, working closely with internal teams and clients to troubleshoot and resolve any challenges.
- **Documentation:** Create and maintain detailed deployment documentation, including best practices, troubleshooting guides, and environment setup instructions for internal teams and customers.
- **Collaboration:** Work alongside research scientists to ensure that deployment requirements and standards are met, and that software is scalable, reliable, and performant.
- **Customer Engagement:** Assist in the deployment of software to client environments, providing necessary technical support and training where needed to ensure a seamless experience for end-users.

About you:

- **Qualifications:** College degree or higher in Computer Science, Engineering, a related field, or equivalent demonstrable experience.
- **Technical experience:**
    - Strong knowledge of deployment tools (Docker, Kubernetes, Singularity).
    - Familiarity with cloud environments (AWS, Azure).
    - An understanding of high-performance computing and MPI.
    - Proficiency with Python and C++ development in a Linux environment.
    - Familiarity with the software development lifecycle from inception to deployment.
- **Communication:** Presentation, and interpersonal skills, coupled with the ability to solve problems creatively and work effectively both independently and as part of a team.

Compensation:

- Job Type: Full-time
- Pay: $100,000.00 - $140,000.00 per year

About Digital Pore Solutions:

Digital Pore Solutions is an Equal Opportunity Employer. We prohibit unlawful discrimination against applicants or employees on the basis of age, color, disability, gender identity, genetic information, military or veteran status, national origin, race, religion, sex, sexual orientation, or any other status protected by state or local law.

About Fort Collins:

Fort Collins, located 60 miles north of Denver, CO is an essential part of Colorado's Front Range. Fort Collins is routinely recognized by numerous publications as one of the best college towns to live and raise a family in the United States. Home to many major employers, 50 parks with more than 35 miles of trails, an award-winning public school system, and a thriving dining and nightlife scene, there is always something fun to do, no matter the season. For more information about the region, please visit http://www.visitftcollins.com.

How to apply:

Interested applicants should send a copy of their resume and letter of motivation addressed to:

Nate Sime, nsime@digitalpore.com.