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DevOps Engineer II

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Date: May 3, 2024

Location: Blacksburg, VA, US, 24060

Company: Ansys

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Requisition #: 13860

Our Mission: Powering Innovation That Drives Human Advancement

When visionary companies need to know how their world-changing ideas will perform, they close the gap between design and reality with Ansys simulation. For more than 50 years, Ansys software has enabled innovators across industries to push boundaries by using the predictive power of simulation. From sustainable transportation to advanced semiconductors, from satellite systems to life-saving medical devices, the next great leaps in human advancement will be powered by Ansys.

Innovate With Ansys, Power Your Career.

Summary / Role Purpose

The DevOps Engineer II supports the development of software products, processes and supporting systems. In this role, the DevOps Engineer II will collaborate with a team of expert professionals to accomplish development objectives and oversee software releases.

Key Duties and Responsibilities

- *Deployment Strategy:* Design, implement, and manage deployment strategies for cloud-based applications on Microsoft Azure and AWS, ensuring scalability, reliability, and security.
- *Build Pipeline Management:* Develop and maintain build pipelines to automate the continuous integration and continuous delivery (CI/CD) processes for our software applications.
- *Blocker Removal:* Collaborate closely with software development teams to identify and remove bottlenecks and obstacles in the deployment and release processes, thereby increasing development efficiency.
- *Application Deployment:* Utilize Helm charts for Kubernetes-based deployments, ensuring efficient container orchestration.
- *Scripting and Automation:* Leverage Python and other scripting languages to automate tasks, streamline workflows, and enhance the efficiency of our deployment processes.
- *Monitoring and Troubleshooting*: Implement and maintain monitoring solutions to identify and resolve performance issues, security vulnerabilities, and system failures in real-time.
- *Documentation:* Maintain detailed documentation of deployment processes, best practices, and standard operating procedures for the DevOps team.
- *Collaboration:* Collaborate with cross-functional teams to achieve a seamless integration of DevOps practices throughout the software development lifecycle.

Minimum Education/Certification Requirements and Experience

- Bachelor's degree in computer science, Information Technology, or related field of study with 2 years of experience, or MS with no experience and/or 3+ years of experience in computer science or related fields
- Proven experience as a DevOps Engineer in cloud environments, with a strong focus on Microsoft Azure and AWS.
- Proficiency in MS Azure Pipeline and/or GitHub.
- Strong programming and scripting skills, with a focus on Python.
- Proven practical experience with containerization technologies, such as Docker and Kubernetes.
- Knowledge of infrastructure as code (IaC) tools, such as Terraform or Ansible.

- Familiarity with agile development methodologies.
- Excellent problem-solving skills and a strong commitment to quality and continuous improvement.
- Strong communication skills and the ability to work collaboratively in a team environment.

Preferred Qualifications and Skills
- Prior experience in customer support for on-premises infrastructure is a plus.
- Experience in a large-scale commercial software testing and verification environment.
- Ability to learn quickly and to collaborate with others in a geographically distributed team.
- Understanding of customer requirements and tools used in autonomous driving.
- Familiarity with ASPICE and ISO26262 standards.
- Fluent English, both written and spoken.
- German and/or French language skill is a plus.

At Ansys, we know that changing the world takes vision, skill, and each other. We fuel new ideas, build relationships, and help each other realize our greatest potential. We are ONE Ansys. We operate on three key components: the commitments to our stakeholders, the behaviors of how we work together, and the actions of how we deliver results. **Together as ONE Ansys, we are powering innovation that drives human advancement.**

Our Commitments:
- Amaze with innovative products and solutions
- Make our customers incredibly successful
- Act with integrity
- Ensure employees thrive and shareholders prosper

Our Values:
- Adaptability: Be open, welcome what's next
- Courage: Be courageous, move forward passionately
- Generosity: Be generous, share, listen, serve
- Authenticity: Be you, make us stronger

Our Actions:
- We commit to audacious goals
- We work seamlessly as a team
- We demonstrate mastery
- We deliver outstanding results

INCLUSION IS AT OUR CORE

We believe diverse thinking leads to better outcomes. We are committed to creating and nurturing a workplace that fuels this by welcoming people, no matter their background, identity, or experience, to a workplace where they are valued and where diversity, inclusion, equity, and belonging thrive.

WELCOME WHAT'S NEXT IN YOUR CAREER AT ANSYS

At Ansys, you will find yourself among the sharpest minds and most visionary leaders across the globe. Collectively we strive to change the world with innovative technology and transformational solutions. With a prestigious reputation in working with well-known, world-class companies, standards at Ansys are high — met by those willing to rise to the occasion and meet those challenges head on. Our team is passionate about pushing the limits of world-class simulation technology, empowering our customers to turn their design concepts into successful, innovative products faster and at a lower cost.

At Ansys, it's about the learning, the discovery, and the collaboration. It's about the "what's next" as much as the "mission accomplished." And it's about the melding of disciplined intellect with strategic direction and results that have, can, and do impact real people in real ways. All this is forged within a working environment built on respect, autonomy, and ethics.

CREATING A PLACE WE'RE PROUD TO BE

Ansys is an S&P 500 company and a member of the NASDAQ-100. We are proud to have been recognized for the following more recent awards, although our list goes on: Newsweek's Most Loved Workplace globally and in the U.S., Gold Stevie Award Winner, America's Most Responsible Companies, Fast Company World Changing Ideas, Great Place to Work Certified (Belgium, China, Greece, France, India, Japan, Korea, Spain, Sweden, Taiwan, and U.K.).

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Ansys does not accept unsolicited referrals for vacancies, and any unsolicited referral will become the property of Ansys. Upon hire, no fee will be owed to the agency, person, or entity.

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