

# UW HEALTH POSITION DESCRIPTION

<b>DevOps Engineer II</b>		
<b>Job Code:</b> 320036	<b>FLSA Status:</b> Exempt	<b>Mgt. Approval:</b> B. Larkworthy/N. Locke <b>Date:</b> August 2023
<b>Department/Number:</b> Information Systems	<b>HR Approval:</b> M. Grayson	<b>Date:</b> August 2023
<b>POSITION SUMMARY</b>		
<p>The DevOps Engineer II is responsible for support, maintenance, configuration, debugging, testing, and deployment of the DevOps infrastructure, tools, and processes. The DevOps Engineer II implements the systems to enable the continuous integration and deployment of infrastructure and applications. This includes ensuring systems are properly maintained so they are reliable, efficient, and secure.</p> <p>The DevOps Engineer II partners with cross-functional roles such as software engineering, infrastructure, and analytics to build and deliver standard automated processes used to develop and deploy integrated solutions for both on-premises and cloud systems in a consistent manner. The DevOps Engineer II is responsible for incorporating cybersecurity and software quality best practices into these processes to improve operational performance across all teams that utilize the capabilities.</p> <p>As a key contributor, the DevOps Engineer II executes the high-quality delivery of these solutions in an established domain. They fulfill both team and project-level tasks, lead small to medium scale projects, and contribute creative solutions to challenges. The DevOps Engineer II is a reliable team member, mentoring junior staff and sharing knowledge with colleagues.</p>		
<b>MAJOR RESPONSIBILITIES</b>		
<ul style="list-style-type: none"> <li>Assist with the design of, as well as configure and maintain, infrastructure and/or cloud resources necessary to reliably host, run, and support applications through all phases of the software development life cycle (SDLC).</li> <li>Create and maintain continuous integration and deployment (CI/CD) pipelines.</li> <li>Write scripts and configurations to automate software testing, deployment, and maintenance in a manner consistent with software engineering best practices.</li> <li>Proactively monitor build and deployment pipelines and infrastructure, apply patches, troubleshoot issues, and resolve errors.</li> <li>Automate infrastructure and/or cloud resource deployments and configuration using infrastructure-as-code tools.</li> <li>Work with engineering teams to create CI/CD pipelines for their applications and ensure code is properly integrated into the CI/CD pipelines.</li> <li>Configure and support development environments for consistent development processes across devices.</li> <li>Participate in the design of the version control system and configure it to align with software development life cycle (SDLC) and security policies and best practices.</li> <li>Automate security testing and vulnerability scanning and integrate it into the development process.</li> <li>Remediate findings from vulnerability scanning and penetration testing.</li> <li>Assist with training users on both new and existing functionality.</li> <li>Informally mentor other staff in DevOps concepts and processes.</li> <li>Work with peers and business partners to identify workflows or processes where automation can improve efficiency and or reduce costs.</li> <li>Leverage multivendor APIs and write scripts to create solutions to improve existing processes.</li> <li>Engage internal departments and third-party vendors for security and infrastructure support and best practices.</li> <li>Troubleshoot technical issues, identify the cause, determine possible resolutions, and remediate issues in existing applications.</li> <li>Participate in a 24x7x365 on-call rotation to support applications, promptly responding to incident notifications, and escalating them when necessary.</li> </ul> <p style="text-align: center;"><b>ALL DUTIES AND REQUIREMENTS MUST BE PERFORMED CONSISTENT WITH THE UW HEALTH PERFORMANCE STANDARDS.</b></p>		
<b>JOB REQUIREMENTS</b>		
Education	Minimum	Associate Degree in Healthcare, Information Technology, Business, or related field. Two (2) years combination of relevant experience and education may be considered in lieu of degree
	Preferred	<u>Bachelor's or Master's degree in Computer Science, Software Engineering, Systems Engineering, Information Technology, or related field strongly preferred.</u>
Work Experience	Minimum	<ul style="list-style-type: none"> <li>Demonstrated success using DevOps capabilities such as automated build, testing, continuous integration, and continuous deployment processes</li> <li>Demonstrated fluency in at least one scripting or programming language</li> <li>Demonstrated success with version control systems such as Git</li> <li>Demonstrated success administering Windows and/or Linux environments</li> <li>Demonstrated success using modern API and other application integration technologies</li> <li>Demonstrated success managing and executing small to medium scale projects</li> </ul>

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	Preferred	<ul style="list-style-type: none"> <li>• Three (3) years of professional experience using DevOps capabilities such as automated build, testing, continuous integration, and continuous deployment processes</li> <li>• Experience administering and deploying infrastructure and application resources in a cloud platform such as Azure</li> <li>• Experience administering and maintaining the GitHub platform, including GitHub Advanced Security</li> <li>• Experience creating CI/CD pipelines using YAML</li> <li>• Experience implementing automated software testing and code analysis tools and processes</li> <li>• Experience with configuration management and orchestration technologies</li> <li>• Experience with container systems such as Docker</li> <li>• Experience configuring and supporting secure web server and application architecture on Windows and/or Linux</li> <li>• Experience successfully leading people and/or projects in an environment using modern DevOps processes</li> </ul>
Licenses & Certifications	Minimum	<ul style="list-style-type: none"> <li>• None</li> </ul>
	Preferred	<ul style="list-style-type: none"> <li>• Microsoft Azure or AWS Administrator, Developer, DevOps, or related certifications</li> <li>• ITIL Foundation or related certifications</li> </ul>
Required Skills, Knowledge, and Abilities		<p>Intermediate competency in the following:</p> <ul style="list-style-type: none"> <li>• Communication</li> <li>• Critical Thinking</li> <li>• Effective Team Member</li> <li>• Agility</li> <li>• Continuous Integration and Delivery</li> <li>• Systems Analysis &amp; Design</li> <li>• Continuous Improvement</li> <li>• Enterprise Automation</li> </ul> <p>Emerging competency in the following:</p> <ul style="list-style-type: none"> <li>• Mentor and Teach</li> <li>• Leadership</li> <li>• Technical Leadership</li> <li>• Leading without Direct Authority</li> <li>• Leading Highly Empowered, Self-Directed Teams</li> <li>• Lean Management</li> <li>• Technology Awareness &amp; Strategic Planning</li> <li>• Writing Documentation and Deliverables</li> <li>• Product Management</li> </ul> <p><u>Other Skills, Knowledge, and Abilities:</u></p> <ul style="list-style-type: none"> <li>• Ability to provide remote and verbal computer and application support to end-users</li> <li>• Attention to detail with a high level of thoroughness</li> <li>• Ability to troubleshoot and identify the cause of server and software issues</li> <li>• Demonstrated ability and desire to quickly learn and apply new technical knowledge and skills</li> <li>• Ability to adapt to new and changing technologies</li> <li>• Ability to process exploratory feedback and use it constructively</li> </ul>

### PHYSICAL REQUIREMENTS

**Indicate the appropriate physical requirements of this job in the course of a shift.** *Note: reasonable accommodations may be made available for individuals with disabilities to perform the essential functions of this position.*

Physical Demand Level		Occasional Up to 33% of the time	Frequent 34%-66% of the time	Constant 67%-100% of the time
<b>x</b>	<b>Sedentary:</b> Ability to lift up to 10 pounds maximum and occasionally lifting and/or carrying such articles as docket, ledgers and small tools. Although a sedentary job is defined as one, which involves sitting, a certain amount of walking and standing is often necessary in carrying out job duties. Jobs are sedentary if walking and standing	<b>Up to 10#</b>	<b>Negligible</b>	<b>Negligible</b>

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	are required only occasionally and other sedentary criteria are met.			
	<b>Light:</b> Ability to lift up to 20 pounds maximum with frequent lifting and/or carrying of objects weighing up to 10 pounds. Even though the weight lifted may only be a negligible amount, a job is in this category when it requires walking or standing to a significant degree.	<b>Up to 20#</b>	<b>Up to 10#</b> or requires significant walking or standing, or requires pushing/pulling of arm/leg controls	<b>Negligible</b> or constant push/pull of items of negligible weight
	<b>Medium:</b> Ability to lift up to 50 pounds maximum with frequent lifting/and or carrying objects weighing up to 25 pounds.	<b>20-50#</b>	<b>10-25#</b>	<b>Negligible-10#</b>
	<b>Heavy:</b> Ability to lift up to 100 pounds maximum with frequent lifting and/or carrying objects weighing up to 50 pounds.	<b>50-100#</b>	<b>25-50#</b>	<b>10-20#</b>
	<b>Very Heavy:</b> Ability to lift over 100 pounds with frequent lifting and/or carrying objects weighing over 50 pounds.	<b>Over 100#</b>	<b>Over 50#</b>	<b>Over 20#</b>
List any other physical requirements or bona fide occupational qualifications:		•		

**Work/Environmental:** Moderate noise level consistent with an office environment

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Note: The purpose of this document is to describe the general nature and level of work performed by personnel so classified; it is not intended to serve as an inclusive list of all responsibilities associated with this position.