

# UW HEALTH POSITION DESCRIPTION

<b>DevOps Engineer III</b>		
<b>Job Code:</b> 320048	<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 III is a technical expert designing, creating, and supporting the DevOps infrastructure, tools, and processes. The DevOps Engineer III works comprehensively across all aspects of DevOps to establish the optimal design and implementation of these systems. The DevOps Engineer III implements team and department processes that ensure systems are designed and built to meet the requirements of teams such as engineering, analytics, infrastructure, and cybersecurity. This includes ensuring systems are properly designed so they are reliable, efficient, and secure.</p> <p>The DevOps Engineer III leads cross-functional collaboration with roles such as software engineering, infrastructure, cybersecurity, and analytics to establish standard automated processes used to develop and deploy integrated solutions for both on-premises and cloud systems in a consistent manner. Their deep understanding of DevOps allows them to innovate, optimize, and drive efficiency across all stages of the development life cycle, including the incorporation of cybersecurity and software quality best practices into established processes.</p> <p>The DevOps Engineer III plays a critical role in shaping DevOps practices and capabilities within their department. They perform both team and project-level tasks, lead large projects, and contribute to long-term planning and complex problem solving. Recognized as a team leader, the DevOps Engineer III mentors and guides other engineers and colleagues, fostering a culture of continuous improvement and collaboration.</p>		
<b>MAJOR RESPONSIBILITIES</b>		
<ul style="list-style-type: none"> <li>• Design, 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>• Design, create, and maintain continuous integration and deployment (CI/CD) pipelines.</li> <li>• Design and write scripts to automate software testing and automation in a manner consistent with software engineering best practices.</li> <li>• Create processes to 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 design and 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>• Design 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>• Train users on both new and existing functionality.</li> <li>• Formally and informally teach and 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; margin-top: 10px;"><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	Bachelor's or Master's degree in Computer Science, Software Engineering, Systems Engineering, Information Technology, or related field strongly preferred
Work Experience	Minimum	<ul style="list-style-type: none"> <li>• Demonstrated success designing 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 administering and using version control systems such as Git</li> <li>• Demonstrated success administering Windows and/or Linux environments</li> </ul>

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		<ul style="list-style-type: none"> <li>• Demonstrated success using configuration management and orchestration technologies</li> <li>• Demonstrated success implementing automated software testing and code analysis tools and processes</li> <li>• Demonstrated success using modern API and other application integration technologies</li> <li>• Demonstrated success leading people and/or projects in an environment using modern DevOps processes</li> <li>• Demonstrated success managing and executing large scale projects</li> </ul>
	Preferred	<ul style="list-style-type: none"> <li>• Five (5) years of professional experience designing 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 designing and creating CI/CD pipelines using YAML</li> <li>• Experience with container system such as Docker</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>Advanced competency in at least two (2) and Intermediate competency in the remaining of the following:</p> <ul style="list-style-type: none"> <li>• Continuous Integration and Delivery</li> <li>• Systems Analysis &amp; Design</li> <li>• Continuous Improvement</li> <li>• Enterprise Automation</li> <li>• Technology Awareness &amp; Strategic Planning</li> <li>• Writing Documentation and Deliverables</li> <li>• Product Management</li> </ul> <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>• 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> </ul> <p>Emerging competency in the following:</p> <ul style="list-style-type: none"> <li>• Organizational Awareness/Understanding</li> <li>• Demonstrates Business &amp; Financial Acumen</li> <li>• Maintains Strategic Orientation</li> </ul> <p><u>Other Skills, Knowledge, and Abilities:</u></p> <ul style="list-style-type: none"> <li>• Ability to drive cross-functional areas including leaders and stakeholders</li> <li>• Ability to provide remote and verbal computer and application support to end-users</li> <li>• Strong attention to detail with a high level of thoroughness</li> <li>• Demonstrated 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>• Demonstrated ability to adapt to new and changing technologies</li> <li>• Ability to synthesize feedback and go beyond specific improvement suggestions</li> </ul>

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<b>PHYSICAL REQUIREMENTS</b>				
<b>Indicate the appropriate physical requirements of this job in the course of a shift.</b> <i>Note: reasonable accommodations may be made available for individuals with disabilities to perform the essential functions of this position.</i>				
<b>Physical Demand Level</b>		<b>Occasional</b> Up to 33% of the time	<b>Frequent</b> 34%-66% of the time	<b>Constant</b> 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 dockets, 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 are required only occasionally and other sedentary criteria are met.	<b>Up to 10#</b>	<b>Negligible</b>	<b>Negligible</b>
	<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.