

Position Description

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JOB ID:	13018
Position Number:	02018082
UC Path Position #	40335424
Dept:	IET - ENTERPRISE INFRASTRUCTURE SYSTEMS - 061419
Position:	Web Developer
Approved Payroll Title Code:	7300
Approved Payroll Title:	APPLICATIONS PROGR 3
Approved MSP Salary Grade:	
Approved PSS Salary Grade:	PSS22
POSITION DETAILS	
Job Summary:	<p>Under the direction of the Enterprise Applications Supervisor, this position provides web application programming and related support for the UC Davis video lecture capture system. The video lecture capture system utilizes over 80 cameras across campus to provide digital streaming video of recorded class lectures to students online. This position works with a senior software engineer to develop a custom automation system for video lecture capture, requiring the integration of multiple systems both on-premise and in the cloud. This position requires the use of independent judgment in execution of responsibilities and a high degree of customer service in providing consultation and solutions to campus clients.</p>
Campus Job Scope:	
Department Specific Job Scope:	<p>This position is a member of the Enterprise Applications team within Information & Educational Technology's Enterprise and Infrastructure Services group. The Enterprise Applications team provides enterprise-level programming expertise to campus departments to address their needs.</p>
Positions Supervised:	<p>N/A</p> <p>80% WEB APPLICATION PROGRAMMING Use modern web programming languages, databases, and frameworks to develop web-based solutions in support of the UC Davis Lecture Capture service.</p>
Essential Responsibilities:	<p>Adhere to existing software development lifecycle techniques, including maintaining code in version control, tracking issues through the ticketing system, and estimating time for large and small tasks. Conduct security evaluations as part of the Application Development lifecycle and work closely to provide solutions that mitigate and/or eliminate vulnerabilities.</p> <p>Use modern web front-end development using Object-Oriented JavaScript, various JavaScript libraries and frameworks (such as React, Vue, Bootstrap), HTML5 and CSS3.</p>

Physical Demands:	<p>Implement design and layout requirements using HTML, JavaScript, CSS, and other layout tools.</p> <p>Use validation tools to ensure sites conform to HTML, CSS, and accessibility standards.</p> <p>10% DEVELOPER OPERATIONS & SYSTEM ADMINISTRATION Deploy and maintain production web services utilizing modern cloud architecture and technologies including AWS Lambda, DynamoDB, and NodeJS.</p> <p>Maintain currency in developer operations skills and make recommendations to the Enterprise Applications team on modernizing and migrating existing services to cloud architecture.</p> <p>Diagnose application, operational, hardware, or operating system problems; coordinate appropriate solutions with vendors and appropriate staff. Develop and maintain programs, scripts, and procedures for the automation of system administration tasks.</p> <p>10% CONSULTATION & TECHNICAL SUPPORT Engage clients through the discovery process to define requirements and scope for projects. Assume technical subject matter expert role to provide time estimates for large and small tasks and track devoted resources. Assist users in-person, via e-mail or telephone. Work with others to resolve client problems.</p> <p>Provide user documentation and training to users of web sites, applications, and other tools.</p> <p>Provide secondary technical support for hardware, operating system, and applications problems on Linux servers hosting web applications.</p> <p>Work with a computer interface to enter and retrieve data for long periods of time.</p>
Work Environment:	<p>Due to the mission-critical services provided by this department, this position may work hours other than M-F 8a-5p, especially in response to system problems.</p> <p>Vacation is restricted during peak periods.</p> <p>Work in a busy office environment with frequent interruptions and/or work in a remote office environment.</p> <p>Occasional travel required.</p> <p>Travel between campus and off-campus locations.</p> <p>Adhere to workplace safety practices, read information communicated about workplace safety, complete required safety training on time, and report any workplace safety issues promptly to their supervisor or the designated safety coordinator.</p> <p>UC Davis is a smoke and tobacco free campus. Smoking, the use of smokeless tobacco products and the use of unregulated nicotine</p>

<p>Background Check:</p> <p>QUALIFICATIONS</p>	<p>products (e-cigarettes) will be strictly prohibited on any UC Davis owned or leased property, indoors and outdoors, including parking lots and residential space.</p> <p>Yes</p>
<p>Minimum Qualifications:</p>	<p>Experience developing custom web applications using Java, Python, and/or NodeJS.</p> <p>Experience working with the Linux/Unix command line environment.</p> <p>Experience writing software in a professional context to meet requirements and deadlines.</p> <p>Skills in the use, operation, and maintenance of most types of computers, including servers and desktop systems used on campus. Written and verbal communication skills to communicate effectively and clearly with technical and non-technical audiences.</p>
<p>Preferred Qualifications for Selection:</p>	<p>Experience working with SQL databases.</p> <p>Experience building applications using Amazon Web Services.</p> <p>Experience implementing and consuming web services APIs such as REST.</p> <p>Experience collaborating with clients to build requirements and project estimates.</p>

Expectations

<p>Job Expectations</p>	<ul style="list-style-type: none"> -Read and model the UC Davis Principles of Community -Communication skills to effectively present information (oral, written, presentation, documentation, video capture). -Use tact and diplomacy for interactions with others. -Communication skills to understandably and effectively describe technical requirements to technical and non-technical audiences. -Provide formal and informal training and mentoring to educate personnel in the use of products or services. -Maintain flexibility in a continuously changing and fast paced work environment. -Effectively establish priorities, organize tasks, and direct effective implementation of tasks in a demanding work environment. -Maintain up-to-date knowledge through literature, classes, conferences, seminars, on-the-job training and other relevant training forums. -Attendance at conferences, classes, and exhibits, involvement in professional groups and associations, subscriptions to and readership of professional literature, and other sources of learning will all be referenced in evaluating the incumbent's initiative in this area. -Be familiar with, and comply with, specific and detailed safety and cyber-security procedures and practices. -Work with a diverse group of people in such a manner as to build high morale and group commitments to goals and objectives.
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