

Position Description

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JOB ID	6716
Position Number:	02025000
UC Path Position #	40344772
Dept:	ENT APPS & INFRASTRUCTURE SVCS - 061419
Position:	Front-end Web Developer
Approved Payroll Title Code:	0652
Approved Payroll Title:	APPLICATIONS PROGR 4
Approved MSP Salary Grade:	
Approved PSS Salary Grade:	MSP24
POSITION DETAILS	
	Under the direction of the Enterprise Applications Supervisor, provide front-end web programming, architecture, and user interface components for existing web applications in support of UC Davis business functions.
Job Summary:	This position will work closely with a team of full-stack software engineers to modernize and support the user-facing interactions of existing production web applications, and establish robust and resilient front-end architectures and user interactions. The role has a high campus impact as it supports mission-critical systems and applications used by large populations of faculty, staff, and university affiliates.
Campus Job Scope:	
	This position provides a special focus on front-end web application architecture (user-facing designs and the ever-increasing complex code which drives them) to the MyInfoVault and Academic Personnel History Information Database (APHID) web applications, owned by Academic Affairs and developed by IET. These applications require sophisticated business-focused user interfaces to convey the complex and mission-critical information managed through them.
Department Specific Job Scope:	
	This position will initially support the multi-year effort to revitalize the user interface for the MyInfoVault application and will then continue to provide architecture and interface components for the APHID application and other business needs as deemed necessary by Academic Affairs in conjunction with IET.
Positions Supervised:	N/A
	65% FRONT-END WEB APPLICATION DEVELOPMENT
Essential Responsibilities:	-Develop and maintain advanced front-end web application architecture for existing medium-to-large scale web applications with a high degree of autonomy using technologies such as Javascript, Typescript, ReactJS, and Redux. -Collaborate with software developers using version control tools such as Git.

- Architect user interface forms and interactions based on user experience surveys and concepts from the field of informatics and human-machine interface design.
- Research, advocate, and select appropriate technologies to implement and maintain highly complex visual user interfaces using HTML and CSS.
- Determine and recommend advanced technology standards for front-end web application architecture.
- Initiate and oversee business requirements gathering from stakeholders to inform and prioritize user interface refurbishments. Validate design language and functionality with non-technical stakeholders.
- Research, train, and maintain professional currency with fast-evolving industry standards around UI/UX design, front-end JavaScript architecture, browser compatibility standards, and general software development practices.
- Evaluate emerging technologies, frameworks, and practices to improve existing applications and processes, and prepare or obtain approval for their adoption.
- Attend conferences, classes, and exhibits, participate in professional groups and associations, and read professional literature relating to maintaining and improving skill in this position.

25% WEB APPLICATION DESIGN AND USER EXPERIENCE TESTING

- Design, document, and test designs for highly complex business applications.
- Construct interfaces which progressively scale to multiple screen sizes, primarily smartphones, tablets, and laptop screens.
- Independently gather user feedback and metrics to inform and improve decisions related to user experience.
- Stay informed of trends in visual design, human-computer interface, and independently make recommendations to ensure application interfaces are current.
- Enforce complex designs with a high sensitivity to accessibility standards such as screen readers.

10% USER SUPPORT RELATING TO DEVELOPMENT

- Resolve technical issues escalated by the campus clients.
- Document and diagnose issues discovered by users.

Physical Demands:

Sit at computer with extensive keyboard use and view screens for extended periods of time.

Work in a busy office environment with frequent interruptions.

Travel between campus and off-campus locations.

Vacation is restricted during peak work periods.

Work Environment:

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.

This position is a critical position and subject to a background check. Employment is contingent upon successful completion of background investigation including criminal history and identity check.

	<p>UC Davis is a smoke and tobacco free campus. Smoking, the use of smokeless tobacco products and the use of unregulated nicotine 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>
Background Check:	Yes
QUALIFICATIONS	
Minimum Qualifications:	<p>Experience developing highly dynamic web front-ends using ReactJS, Redux, VueJS, Angular, or similar framework.</p> <p>Experience programming using modern programming languages, practices and patterns, such as JavaScript, Typescript, Python, PHP, or Ruby.</p> <p>Experience writing clean HTML and CSS with maximum cross-browser compatibility.</p> <p>Experience working with version control tools such as Git, Subversion, Mercurial, or Team Foundation Server.</p> <p>Experience working independently and in a team environment to meet requirements and deadlines.</p> <hr/> <p>Experience using browser-based, automated testing frameworks such as Cypress, Selenium, or Protractor.</p> <p>Experience debugging dynamic front-end architectures using built-in browser debug tools such as those provided in Firefox, Chrome, or Safari.</p>
Preferred Qualifications for Selection:	<p>Experience designing and critiquing visual user interface designs and systems of user experience interactions.</p> <p>Experience with CSS pre-processors such as SASS or LESS.</p> <p>Experience using a command line interface and shell scripts on Linux-compatible systems.</p> <p>Experience working with business stakeholders to gather requirements and provide project estimates.</p>

Expectations

Job Expectations	<ul style="list-style-type: none"> -Read and model the UC Davis Principles of Community -Use tact and diplomacy for interactions with others. -Communication skills to understandably and effectively describe technical requirements to technical and non-technical audiences. -Work cooperatively with others to achieve and maintain a strong client service environment. -Highly motivated and results orientated. -Work independently, establish priorities and to exercise good judgment. -Maintain up-to-date knowledge through literature, classes, exhibits,
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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.
- Accountability for the safekeeping of resources in the employee's care and custody and for following and implementing the cyber-safety guidelines.
- Ability to cultivate trust and build successful working relationships with stakeholders, subject matter experts, and other relevant staff and management.
- Meet client and management expectations by being consistently punctual, reliable, and flexible.
- Meet or exceed key point indicators as defined in the yearly goals of the employee performance appraisal.