

Position Description

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JOB ID	7038
Position Number:	02008989
UC Path Position #	40219445
Dept:	ENT APPS & INFRASTRUCTURE SVCS - 061419
Position:	Application Developer
Approved Payroll Title Code:	0652
Approved Payroll Title:	APPLICATIONS PROGR 4
Approved MSP Salary Grade:	
Approved PSS Salary Grade:	MSP24
POSITION DETAILS	
Job Summary:	Under the direction of the Identity & Access Management (IAM) Supervisor, this position serves as a developer in all phases of analysis, design, implementation, testing, and integration of Identity and Access applications supported by the Enterprise Infrastructure Services (EIS) group within Information & Educational Technology (IET). This position is part of the IAM Application Development team, which provides development and support for a variety of systems and services including authentication, identity management, directory services, and account provisioning. This position works with a high degree of decision-making autonomy and has a high campus impact as it supports mission-critical systems and applications.
Campus Job Scope:	
Department Specific Job Scope:	This position is part of the IET IAM Application Development team, which provides development and support for a variety of systems and services including authentication, identity management, directory services, and account provisioning. This position works with a high degree of decision-making autonomy and has a high campus impact as it supports mission-critical systems and applications.
Positions Supervised:	N/A
Essential Responsibilities:	<p>50% IDENTITY and ACCESS (IAM) SYSTEM DESIGN/DEVELOPMENT Design, develop, document, and implement application software, utilities, or client applications that support Identity and Access application systems.</p> <p>Analyze and document business application requirements and provide estimates of programming effort and durations on all assigned projects.</p> <p>Write functional and detailed technical specifications for application code developed.</p> <p>Establish and sustain a Quality Control capability that tests and fixes application bugs, and adheres to the software development methodology.</p> <p>Participate in technical reviews of designs for code modifications or custom extensions to core applications that utilize Oracle RDBMS, Java, and SQL/PLUS.</p> <p>Develop, execute and evaluate system load tests when necessary.</p> <p>Use advanced technologies such as J2EE, Spring Framework, UML, XML, and XSL.</p> <p>40% IDENTITY and ACCESS (IAM) APPLICATION DEVELOPMENT TECHNICAL SUPPORT Provide technical support to Identity and Access systems infrastructure and</p>

developed applications.

Ensure system configuration and deployment procedures follow best practices.

Resolve technical issues escalated by the campus clients using SQL, ETL, and Java tools.

Develop SQL queries to investigate data problems. Write ETL to clean data when source data is invalid. Develop tools to test Rest API's as well as SOAP transactions.

10% PROFESSIONAL CURRENCY AND SOFTWARE & TECHNOLOGY EVALUATION
Participate in the research and evaluation of emerging application development tools and technologies, and assist in making purchasing recommendations.

Attend 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 initiative in this area.

Participate in periodic meetings with IET-AD organization to discuss relevant issues pertaining to application development.

Other duties as assigned.

Physical Demands:

Due to the mission-critical services provided by this department, this position may work hours other than M-F 8-5, especially in response to system problems.

Vacation is restricted during peak periods.

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.

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.

Background Check:

Yes

QUALIFICATIONS

Minimum Qualifications:

Experience with systems analysis and data processing skills to translate manual operations to automated processes.

Experience with technologies such as client/server technologies, web technologies (XML/XSL/XSD, X/HTML, AJAX, JavaScript, CSS, Web services such as SOAP/WSDL and Rest), distributed computing concepts, application development methodologies, and networking concepts.

Experience with the Java 2 Enterprise Edition Architecture (J2EE)

Experience with Oracle RDBMS or other complex relational database management systems and principles.

Experience using collaboration in designing effective databases, referential integrity, PL*SQL, triggers, stored procedures and SQL performance tuning.

Preferred Qualifications for Selection:	(Experience with a minimum of 1 database solution: Oracle, MySQL, PostgreSQL and DB2.)
	Experience with structured application development methodology in deploying technical solutions, utilizing other tools for design (Unified Modeling Language), application software version control and tracking (Git, Subversion), and code migration.
	Experience with a minimum of 1 application servers such as Tomcat, Apache, Jetty or Glassfish.
	Experience with a minimum of 2 open source frameworks and tools such as Eclipse, Spring, Struts, Hibernate, JSTL and JSF, as well as MVC, JSP, Servlets. Log4j, Junit.
	Experience with standard programming techniques including analysis, requirements gathering, design, data collection and preparation, coding, and testing.
	Experience using organization and analytical skills to assume general assignments, simultaneously work on multiple projects, work with competing priorities and deadlines and independently follow projects through to completion.
	Experience using open source projects, technologies and tools.
	Experience with Linux and Windows server operating systems.
	Skill to work collaboratively with internal and external constituents in a manner to meet organizational goals.
	Skilled in building loosely-coupled, service-oriented distributed systems
Skilled in use of software packaging and release management processes; including utilizing issue tracking, release tracking, continuous integration and build artifact repository systems (e.g. Jira, Bamboo, Maven)	
Bachelor's in Computer Science or related field, or equivalent experience.	

Expectations

Job Expectations	Read and follow the UC Davis Principles of Community.
	Ability to effectively work in a team environment to solve technical problems. Skilled at written documentation for reports and work flow processing.
	Communicate effectively with co-workers, effectively use computer equipment, and conduct productive meetings.
	Model the key values of the organization, including: Demonstration of integrity in the conduct of daily work. Accountability for the safe-keeping of resources in the employee's care and custody; reliability/teamwork; attention to maintaining and expanding expertise in the functions of the position. Modeling commitment to customer service in interactions with clients, co-workers and others. In both communication and conduct, interacting with clients, co-workers, and others in the workplace in a respectful, tactful, and effective manner.
	Experience adhering to established guidelines and standards and to develop new guidelines as necessary.
Participate at conferences, classes and exhibits, in addition to professional groups and associations. Subscribe and read professional literature to stay abreast of	

changes and advances in application development software and methodologies.

Independently follow projects through to successful completion with a high degree of quality.