Position Description

Report Run Date: Aug 11 2016 11:54AM
Position Number: 02008514
Dept: ENT APPS & INFRASTRUCTURE SVCS - 061419
Position: Application Development Programmer
Approved Payroll Title Code: 0653
Approved Payroll Title: APPLICATIONS PROGR 5
Approved MSP Salary Grade: 
Approved PSS Salary Grade: MSP26

POSITION DETAILS

Under the direction of the IET Application Development Managers, develop on teams such as middleware infrastructure, enterprise applications and web development in support of the UC Davis Campus, UCDHS and wider UC system. Work on projects that are complex, include mission-critical applications for students, faculty and staff. Provide analytical, development, testing, implementation, documentation, and maintenance support for applications and infrastructure.

Job Summary:

Campus Job Scope:

This position is part of the IET Application Development team, which provides development and support for a variety of systems and services including authentication, identity management, directory services, account provisioning, Kuali Rice, portal management, SmartSite and MyInfoVault.

Department Specific Job Scope:

Positions Supervised:

N/A

90% ANALYSIS/DEVELOPMENT
- Often takes a lead role, may direct team mentoring efforts.
- Architect on a stand-alone system, advanced expertise in system with knowledge in other areas.
- Define hardware/software requirements for applications/systems - this may include web designs and architectures.
- Thoroughly unit test all new code to ensure conformance with functional specifications.
- Fix reported code problems discovered during the user-testing phase of development.

Essential Responsibilities:
- Maintain the Tomcat or other J2EE container that runs the enterprise applications.
- Meet with users and clients to gather functional requirements and to understand the business rules that the enterprise systems must implement.
- Perform analysis of enhancement requests to determine integration impact over existing code base and recommend strategies for integration via additional modules, refactored code or a combination thereof. Include development options with estimates for consideration by management staff.
- Write documentation, including technical specifications, code comments and technical analyses. Provide demonstrations of new features and enhancements to clients. Follow established development methods and interact with code migration specialist.
- Operate with limited supervision.

10% TECHNOLOGY RESEARCH
- Keep up with changes to the Java programming language through training and reading.
- Understand new design patterns and development methodologies.
- Share technical knowledge with other team members. Perform other duties as assigned by management to fulfill business needs.

Physical Demands: Work at a computer for extended periods.

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.

Work in a busy office environment with frequent interruptions.

Work Environment: Travel to and from Campus and off-Campus locations.

UC Davis is a smoke and tobacco free campus effective January 1, 2014. 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 complex object-oriented programming in Java using best practices, and web technologies such as Java Servlets, JSP, Javascript, Spring, Tomcat, AJAX, Cascading Style Sheets (CSS).

Experience writing advanced SQL (ANSI standard) for relational database technologies, including MySQL, Oracle, or Microsoft SQL Server databases.

Experience converting business requirements into technical specifications for large, multi-functional, web-based software applications that must integrate within a complex, service architecture.

Experience defining hardware and software requirements for campus-wide, complex mission-critical systems, including test, staging, and production environments.

Experience managing application programming and implementation through a full life-cycle methodology including code reviews, the use of revision control system such as Subversion, CVS and the use of bug reporting systems such as Jira.

Ability to manage multiple tasks individually while under a full workload and tight deadlines.

Experience with vendor-driver software such as JDBC to connect to databases.

Skills to write and manage software and script development within Linux/Unix environment.

Skills to write inter-application internet-based communications using protocols such as SOAP, REST or other XML-based web services technologies.

Experience with integrated development environment (IDE) such as Eclipse and associated tool sets for use in Java development.

Experience working with a software development team, including a lead architect, QA analysts, and a project manager.

Preferred Qualifications for Selection:

Critical thinking skills to understand complex problems and develop solutions through the development of robust, web-
based applications.

Oral and written interpersonal communication skills to convey technical requirements to technical and non-technical audiences.

Design experience for web-based software applications that must be robust, campus-wide with at least 98% up time availability.

- BS degree in computer science or related field or equivalent experience.

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<th>Expectations</th>
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<td>- Read and model the UC Davis Principles of Community.</td>
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<td>- Communication skills to understandably and effectively describe technical requirements to technical and non-technical audiences.</td>
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<td>- Maintain flexibility in a continuously changing and fast paced work environment.</td>
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<td>- Ability to work independently under general direction from management, to manage workload across multiple simultaneous projects, to maintain a high level of productivity, and to meet deadlines under time constraints and continuously shifting priorities.</td>
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<td>- Willingness to learn and apply new technology and willingness to develop skills to promote professional growth.</td>
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<td>- Accountability for the safekeeping of resources in the employee's care and custody and for following and implementing the cyber-safety guidelines.</td>
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<td>- Ability to cultivate trust and build successful working relationships with stakeholders, subject matter experts, and other relevant staff and management.</td>
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