



Texas Department of Housing & Community Affairs
221 E. 11th Street, Suite 106
Austin, TX 78701
(512) 475-3800
Internet: www.tdhca.state.tx.us

Employment Announcement

Software Quality Assurance Tester in the Information Systems Division

Job Posting Number: 18-025	State Classification: Systems Analyst II
Division: Information Systems	State Pay Grade: B18
Department: Software Quality Assurance Tester	Posting Date: November 3, 2017
Established Work Hours: 8:00 A.M. – 5:00 P.M.	Application Deadline: Open Until Closed By Division
Starting Salary: \$3,294.00 - \$5,000.00 / mo.	Duration: Full Time
Number of Openings: 1	Location: Austin, Texas

GENERAL DESCRIPTION

Performs moderately complex (journey-level) computer systems analysis work. Work involves analyzing user requirements, procedures, and problems to automate processing or to improve existing systems. Responsible for conducting tests before software promotions to production environments, debugging software, and defining corrective actions. Works under general supervision, with limited latitude for the use of initiative and independent judgment.

SPECIFIC JOB FUNCTIONS

- Audits code, architecture, and databases used in custom-developed web applications.
- Tests for common application level vulnerabilities and weaknesses, and provides both vulnerability analysis and development advice for application hardening.
- Works with software developers, managers, and Information Security Officer to review, evaluate, and prioritize vulnerability findings.
- Works with software developers and managers to review system requirements, define corrective action plans, and recommend areas for service improvements.
- Reviews requirements, specifications, and technical design documents to provide timely and meaningful feedback.
- Assists in developing and maintaining a Software Development Life Cycle program that includes secure coding best practices.
- Analyzes and tests new and existing procedures, information systems, and utility programs for efficiency and effectiveness.
- Creates detailed, comprehensive, and well-structured test plans and test cases.
- Estimates, prioritizes, plans, and coordinate testing activities.
- Performs thorough regression testing when bugs are resolved.



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- Reviews and analyzes cases, notes deficiencies, and collects performance data; identifies adverse trends; and determines compliance with service delivery standards, program requirements, and policies and procedures.
- Tracks quality assurance metrics.
- Responsible for becoming fully knowledgeable of the Department's Enterprise Risk Management Program and its effect in the Information Systems Division, including performing risk assessments of ISD's high impact processes and identifying and communicating control processes and steps to mitigate unacceptable risks.

MINIMUM EDUCATION AND EXPERIENCE REQUIREMENTS

- Four years of work experience in software development, quality assurance testing, secure coding techniques, secure architecture, software security frameworks, common weaknesses, and vulnerability analysis. Graduation from an accredited four year college or university with major coursework in computer science and an emphasis on software development or information security may be substituted for the four years of work experience.

FACTORS

KNOWLEDGE, SKILLS AND ABILITIES:

- Proficiency with web application security.
- Knowledge of the Secure Software Development Life Cycle (SSDLC) and software QA methodologies, tools, and processes.
- Familiarity with code scanning, dynamic analysis, and automated testing tools.
- Skill in techniques and best practices for preventing and remediating vulnerabilities such as SQL injection, buffer overflows, and cross-site scripting.
- Ability to identify and remediate the Top 10 OWASP vulnerabilities.
- Working knowledge of Java, Oracle PL/SQL, SQL, XHTML, CSS, and JavaScript.
- Working knowledge of web services.

OTHER:

Physical Requirements:

- Typical office work environment.
- Must be able to use computer for long periods of time.

Military Crosswalk information can be accessed at: [Military Crosswalk](#)

Must be willing to work in a non-smoking environment and adhere to all applicable Department policies and procedures. Must be willing to work overtime if necessary which may include nights and weekends. Must attend work regularly and adhere to approved work.

TO APPLY

To apply for an opening with TDHCA, you must complete the State of Texas Application for Employment electronically at www.WorkInTexas.com.

The State of Texas Application for Employment and other qualifying documentations must be submitted no later than 5:00 pm on the closing date of the job vacancy notice. For vacancies that are posted "open until filled" it is recommended that



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applications be submitted as soon as possible. **Online applications are stored on a secure site. Only authorized employees and hiring authorities have access to the information submitted.**

It is important that your application show all the relevant education and experience you possess. Please include all information requested, e.g. education, experience, previous compensation, reasons for leaving, and other information - do not leave any field blank. Applications may be rejected if incomplete.

Resumes will not be accepted in lieu of your online application.

ADDITIONAL INFORMATION

- Official transcripts or other minimum requirement validations will be requested of final applicants.
- A signed application will be required prior to employment.
- Criminal history checks will be conducted before an offer of employment is extended.
- Only applicants who are interviewed will receive written notification of posting results.

Thank you for considering employment at the Texas Department of Housing and Community Affairs.

We fully recognize, honor and enforce the Uniformed Services Employment and Reemployment Rights Act (USERRA) and encourage opportunities to hire Veterans, Reservists and Guardsmen.

Males born on or after January 1, 1960, between the ages of 18-26, will be required to present proof of Selective Service System registration on the first day of employment or proof of exemption from Selective Service registration requirement.

The U.S. Immigration Reform and Control Act of 1986 requires new employees to present proof of identity and eligibility to work in the United States. Failure to provide this information within the required timeframe will result in the offer being rescinded.

The Texas Department of Housing and Community Affairs is an Equal Employment Opportunity employer.