

**TEXAS DEPARTMENT OF CRIMINAL JUSTICE
JOB DESCRIPTION**

POSITION TITLE: PROGRAMMER IV –
Java

SALARY GROUP: B23

DEPARTMENT: Information Technology Division

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CERTIFICATION: I certify that, to my knowledge, this is an accurate and complete description of the essential functions and the conditions required for this position.

APPROVED BY: Charlotte Anderson DATE: 03/24/2014

POSITION #: 008160

I. JOB SUMMARY

Performs highly complex computer programming work. Work involves coordinating programming projects; analyzing proposed computer applications; and providing technical assistance. Works under limited supervision with considerable latitude for the use of initiative and independent judgment.

II. ESSENTIAL FUNCTIONS

- A. Coordinates the coding, testing, debugging, and maintaining of highly complex Java programs for data accessed in a relational database; and instructs staff on new methods and procedures.
- B. Evaluates and modifies existing applications to accommodate system requirements, software releases, and equipment changes; and advises staff in the solution of programming problems.
- C. Provides technical advice, assistance, and training to management and technical staff in matters relating to programming activities.
- D. Provides documentation, data maintenance procedures, screen display and reporting needs, and data file backup procedures.
- E. Assists in planning, scheduling, and assigning programming projects; and assists in the development of standards and procedures for programming staff.

* Performs a variety of marginal duties not listed, to be determined and assigned as needed.

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III. MINIMUM QUALIFICATIONS

A. Education, Experience, and Training

1. Graduation from an accredited senior high school or equivalent or GED and three years full-time, wage-earning Java computer programming experience

or

thirty semester hours from a college or university accredited by an organization recognized by the Council for Higher Education Accreditation (CHEA) or by the United States Department of Education (USDE) with twelve semester hours in Computer Science or Management Information Systems and two years full-time, wage-earning Java computer programming experience.

2. One year full-time, wage-earning Java experience to include Java Server Page (JSP) and HyperText Markup Language (HTML).
3. One year full-time, wage-earning relational database experience.
4. Java 2 Platform Enterprise Edition (J2EE) experience preferred.
5. Criminal justice experience preferred.
6. Sun Java certification preferred.

B. Knowledge and Skills

1. Knowledge of data processing methods and equipment.
2. Knowledge of writing Java programs for computer applications.
3. Knowledge of operating system software used in computer systems.
4. Knowledge of relational database structures.
5. Knowledge of agency and departmental organizational structure, policies, procedures, rules, and regulations preferred.
6. Skill to write, test, debug, and maintain computer programs.
7. Skill to develop programs for computer applications.

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8. Skill in determining software problems from researching a system or utilizing debugging tools.
9. Skill in the use and manipulation of Java applications utilizing Java server pages and servlets on the mainframe.
10. Skill in problem-solving techniques.
11. Skill to communicate ideas and instructions clearly and concisely.
12. Skill to coordinate with other staff, departments, officials, agencies, organizations, and the public.
13. Skill to perform detail work accurately.
14. Skill in the use of computers and related equipment in a stand-alone or local area network environment.
15. Skill to plan work in order to meet established guidelines.
16. Skill in technical writing and preparing technical reports and documentation.
17. Skill to train and provide technical assistance in the operation of computers and related equipment.

IV. ADDITIONAL REQUIREMENTS WITH OR WITHOUT REASONABLE ACCOMMODATION

- A. Ability to walk, stand, sit, kneel, push, stoop, reach above the shoulder, grasp, pull, bend repeatedly, climb stairs, identify colors, hear with aid, see, write, count, read, speak, analyze, alphabetize, lift and carry 15-44 lbs., perceive depth, operate a motor vehicle, and operate motor equipment.
- B. Conditions include working inside, working around machines with moving parts and moving objects, radiant and electrical energy, working closely with others, working alone, working protracted or irregular hours, and traveling by car, van, bus, and airplane.
- C. Equipment (machines, tools, devices) used in performing only the essential functions include computer and related equipment, typewriter, calculator, copier, fax machine, telephone, and automobile.