

**TEXAS DEPARTMENT OF CRIMINAL JUSTICE
JOB DESCRIPTION**

POSITION TITLE: PROGRAMMER III –
Java

SALARY GROUP: B21

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 #: 008159

I. JOB SUMMARY

Performs complex computer programming work. Work involves assisting in the planning, scheduling, and assigning of programming projects; coordinating programming projects; analyzing proposed computer applications; preparing and developing programs; and providing technical assistance. Works under general supervision with moderate latitude for the use of initiative and independent judgment.

II. ESSENTIAL FUNCTIONS

- A. Prepares, codes, tests, debugs, and maintains complex Java programs.
 - B. Analyzes proposed computer applications to include equipment and capabilities; and analyzes, reviews, and revises programs to increase operating efficiency and to adapt new procedures.
 - C. Provides technical assistance and training involving the implementation and utilization of computer hardware and software and individual program applications.
 - D. Develops web applications to read, update, and display information.
 - E. Prepares written instructions for computer operations for use during production runs.
- * 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 two 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 one year full-time, wage-earning Java computer programming experience.

2. Criminal justice experience preferred.
3. Data Base Management System (DBMS) language education or experience preferred.
4. Sun Java certification preferred.

B. Knowledge and Skills

1. Knowledge of data processing methods and equipment.
2. Knowledge of operating systems software used in computer systems.
3. Knowledge of Data Base Management System (DBMS) language, Java language, or web technology preferred.
4. Knowledge of agency and departmental organizational structure, policies, procedures, rules, and regulations preferred.
5. Skill to develop programs for computer applications.
6. Skill to write, test, debug, and maintain programs for computer applications.
7. Skill in the use and manipulation of Java applications utilizing Java server pages and servlets on the mainframe.
8. Skill in determining software problems from researching a system or utilizing debugging tools.

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9. Skill in the use of computers and related equipment in a stand-alone or local area network environment.
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 technical writing.
15. Skill to plan work in order to meet established guidelines.
16. 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.