

**FLORIDA STATE COLLEGE AT JACKSONVILLE  
JOB DESCRIPTION, 2010**

**ENGINEER V - SOFTWARE**

**FLSA STATUS: NON-EXEMPT - PAY GRADE: 25- P**

**GENERAL STATEMENT OF JOB**

The Engineer V – Software configures and maintains Unix environments for the College’s high availability ERP system, database environment, online learning systems, and all other Unix environments. Employees in this class architect, install, maintain and customize system software required to support collegewide utilization of information resources. They design, modify, and develop and implement software applications and review and analyze system needs for the College.

**CHARACTERISTIC DUTIES AND RESPONSIBILITIES**

Design, modify, develop, write and implement software applications.

Support and/or install software applications/operating systems.

Participate in the testing process through test review and analysis, test witnessing and certification of software.

Software engineers may also serve as business analysts. As such, the engineer will review, analyze and evaluate business systems and user needs; formulate systems to parallel overall business strategies; write detailed descriptions of user needs, program functions, and steps required to develop or modify applications and/or processes.

Has knowledge of commonly used concepts, practices and procedures within a particular field and must be familiar with databases, general hardware characteristics, and client-server concepts.

Provide technical support to project team members.

May provide consultation on complex projects and is considered to be a top-level contributor/specialist.

Performs other related duties as assigned.

**SUPERVISION RECEIVED**

Supervision is typically received from a senior manager or director.

**SUPERVISION EXERCISED**

Designs, plans and coordinates work teams; generally manages a group of engineers.

**MINIMUM QUALIFICATIONS**

An associate’s degree in a related field from an accredited college or university and two (2) years of related experience.

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### **PREFERRED QUALIFICATIONS**

A bachelor's degree with five (5) years of direct experience and thorough knowledge of the area of specialty.

### **MINIMUM QUALIFICATIONS OR STANDARDS REQUIRED TO PERFORM ESSENTIAL JOB FUNCTIONS**

**Physical Requirements:** Must be physically able to operate a variety of machines and equipment including computer, office equipment, telephone, etc. Physical demands are essentially those of sedentary work. Tasks may require extended periods of time at a keyboard or workstation.

**Data Conception:** Requires the ability to compare and/or judge the readily observable, functional, structural or compositional characteristics (whether similar to or divergent from obvious standards) of documentation, files, accounts, and equipment.

**Interpersonal Communication:** Requires the ability to speak and/or signal people to convey or exchange information. Includes issuing and receiving assignments, instructions, and/or directions.

**Language Ability:** Requires ability to read standard English, as well as basic technical data, policy and procedure manuals, codes, etc.. Requires the ability to prepare forms and reports using prescribed formats. Requires the ability to communicate with a broad array of individuals from various professional backgrounds.

**Intelligence:** Requires the ability to apply principles of logical thinking to define problems, collect data, establish facts and draw valid conclusions; to interpret a variety of instructions or inquiries furnished in written and/or oral form; to acquire knowledge of topics related to occupation.

**Verbal Aptitude:** Requires the ability to record and deliver information, to explain procedures, and to follow oral/written instructions. Must be able to communicate effectively with co-workers, the public, and students.

**Numerical Aptitude:** Must be able to add, subtract, multiply and divide; calculate decimals and percentages.

**Form/Spatial Aptitude:** Requires the ability to inspect items for proper length, width and shape, and visually read various information.

**Motor Coordination:** Requires the ability to coordinate hands and eyes accurately in operating modern office equipment and machinery.

**Manual Dexterity:** Must have minimal levels of eye/hand/foot coordination.

**Color Discrimination:** May not require the ability to differentiate between colors and shades of color.

**Interpersonal Temperament:** Requires the ability to deal with people beyond receiving instructions. Must be adaptable to performing under moderate levels of stress, imposed by frequent deadlines, peak workloads, or public/student contact.

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**Physical Communication:** Requires the ability to talk and hear: (talking: expressing or exchanging ideas by means of spoken words; hearing: perceiving nature of sounds by ear).

**Environmental Requirements:** Tasks are regularly performed without exposure to adverse environmental conditions (e.g., dirt, cold, rain, fumes).

Effective: 7/10