



## **System Engineer**

### **Specialization :**

AIX  
Linux

### **Job Description :**

1. Analyze information to determine, recommend, and plan layout, including type of computers and peripheral equipment modifications.
2. Analyze user needs and recommend appropriate hardware.
3. Build, test and modify product prototypes, using working models or theoretical models constructed using computer simulation.
4. Confer with engineering staff and consult specifications to evaluate interface between hardware and software and operational and performance requirements of overall system.
5. Design and develop computer hardware and support peripherals, including central processing units (CPUs), support logic, microprocessors, custom integrated circuits, and printers and disk drives.
6. Evaluate factors such as reporting formats required, cost constraints, and need for security restrictions to determine hardware configuration.
7. Monitor functioning of equipment and make necessary modifications to ensure system operates in conformance with specifications.
8. Specify power supply requirements and configuration, drawing on system performance expectations and design specifications.
9. Store, retrieve, and manipulate data for analysis of system capabilities and requirements.
10. Test and verify hardware and support peripherals to ensure that they meet specifications and requirements, analyzing and recording test data.
11. Write detailed functional specifications that document the hardware development process and support hardware introduction.
12. Assemble and modify existing pieces of equipment to meet special needs.



13. Direct technicians, engineering designers or other technical support personnel as needed.
14. Provide technical support to designers, marketing and sales departments, suppliers, engineers and other team members throughout the product development and implementation process.
15. Provide training and support to system designers and users.
16. Recommend purchase of equipment to control dust, temperature, and humidity in area of system installation.
17. Select hardware and material, assuring compliance with specifications and product requirements.
18. Update knowledge and skills to keep up with rapid advancements in computer technology.

**Education :**

Tertiary education in related field

**Experience :**

**3 years working experience in AIX environment** including maintenance and preferably supervision of operators

**Scope of Work :**

To manage overall maintenance works.  
To direct specific operations to each operator.  
To be the contact person between JMS.  
To manage the status of incidents  
To conduct regular weekly meetings (internal) To make a monthly report To plan, submit and manage the work shift roster and its personnel needs To propose the improvement of operations To define operational tasks To carry out troubleshooting ( on-call support , on-site support)

**Necessary Skills :**

**Computers and Electronics** -- Knowledge of circuit boards, processors, chips, electronic equipment, and computer hardware and software, including applications and programming.

Mathematics -- Knowledge of arithmetic, algebra, geometry, calculus, statistics, and their applications.



**Engineering and Technology** -- Knowledge of the practical application of engineering science and technology. This includes applying principles, techniques, procedures, and equipment to the design and production of various goods and services.

**Language** -- Knowledge and command of practical English language.  
**Ability of Japanese Language is a plus.**

**Education and Training** -- Knowledge of principles and methods for curriculum and training design, teaching and instruction for individuals and groups, and the measurement of training effects.

**Design** -- Knowledge of design techniques, tools, and principles involved in production of precision technical plans, blueprints, drawings, and models.

**Administration and Management** -- Knowledge of business and management principles involved in strategic planning, resource allocation, human resources modeling, leadership technique, production methods, and coordination of people and resources.

**Clerical** -- Knowledge of administrative and clerical procedures and systems such as word processing, managing files and records, stenography and transcription, designing forms, and other office procedures and terminology.

**Location :**  
Singapore

**Language :**  
English (Japanese speaking is a plus)

**Expected Salary :**  
SGD\$3,300 to SGD\$4,100 / month, transport reimbursement (office travel), overtime, CPF

**Requirement :**  
Immediately

**Interested candidates are invited to submit your latest updated resume stating your availability of employment, current, achievements and expected salary to Mr. Adrian Collin Png at: [adrian@collincrawford.com](mailto:adrian@collincrawford.com).**