

Computer Systems Engineer

Information Technology
Series

Company Overview:

<Please insert a short paragraph talking about your company and what makes it unique. Include details that capture the core values, culture, and mission of your company, so job seekers clearly understand the environment in which they will be working.>

Job Summary and Responsibilities:

Computer systems engineers design and develop solutions to complex applications problems, system administration issues, or network concerns. Engineers may perform systems monitoring activities with the goal of maintaining general health and uptime by leveraging monitoring and reporting tools. Applicants should be able to translate solutions to business needs into systems design and implementation practices. Applicants should be able to work with a team to solve complex issues by integrating previous learnings.

<Add any additional responsibilities or changes relevant to this role at your company.>

Required Competencies:

OCCUPATIONAL COMPETENCIES

- **IT Systems & Hardware:** Familiarity with how to assemble, configure, install, maintain, and repair multiple computer and device hardware and IT systems leveraging a manual for guidance; basic proficiency with Management Information Systems (MIS)
- **Network Protocols:** Ability to facilitate communications utilizing multiple network protocols and services; understanding the basis and application seven layers within the OSI model
- **Core Operating Systems:** Familiarity with the use of multiple operating systems (such as OSX, Windows, Linux/Unix, iOS, or Android) for computer and mobile devices and some knowledge of how to deploy, configure, and maintain at least one of those operating systems; able to perform enterprise-wide functions under leadership supervision



FOUNDATIONAL COMPETENCIES

- **Critical Thinking:** Use logic and reasoning to identify, organize, and rank the strengths and weaknesses of alternative solutions, conclusions or approaches to problems; pinpointing issues through root-cause analysis; considering current and future impact of problems and solutions
- **Active Learning:** Recognize areas of needed improvement and taking action to improve them through independent learning, integration, and intelligent application of learnings; actively creating and testing new hypotheses for solving problems and capturing potential opportunities while accepting that you may fail and need to adapt your approach
- **Systems Evaluation:** Identify and design around important measures or indicators of system performance, relative to the goals of the system; taking on the mindset that “you cannot manage what you cannot measure”; seeing the far reaching system impacts of individual measures

Find additional competencies for this role using Skillful's occupation deep dive at www.skillful.com/employers.

Preferred Competencies:

OCCUPATIONAL COMPETENCIES

- **Network Administration:** Familiarity with how to install, configure, test, operate, maintain and manage network devices using directory services in a supervised setting, including hardware, software, and operating systems; familiarity in performing network monitoring and analysis on many platforms such as NAS, NFS, and RAID
- **Systems Design & Implementation:** Ability to assist customers in the gathering of requirements, implementation of solutions, and ongoing support of technology solutions for business problems; aligning technical solutions to business needs in most beneficial format

FOUNDATIONAL COMPETENCIES

Complex Problem Solving: Identify complex problems and brainstorm with teammates to gather multiple insights to develop and evaluate options and implement solutions; able to deconstruct problems into smaller, inter-related sub-components and clearly communicate to stakeholders

Example Activities:

- Communicate with staff or clients to understand specific system requirements
- Document design specifications, installation instructions, and other system-related information
- Verify stability, interoperability, portability, security, or scalability of system architecture
- Evaluate current or emerging technologies to consider factors such as cost, portability, compatibility, or usability
- Identify system data, hardware, or software components required to meet user needs



Required Certifications:

<Note: Insert Required Certifications *but only if truly required.*>

Job Details:

- Location
- Department
- Job ID
- Classification
- Insert additional details of this position if applicable