



## **Ace Computers**

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### **Hardware Integration Engineer**

Location: Des Plaines  
Employment: Full-time

**Summary:** Ace Computers, a leading provider of information technology solutions and one of the top 100 Custom System Builders in the US, is seeking to add a member to our team. This role will report to the Director of Quality.

#### **Job Description:**

Ace Computers is seeking an experienced Hardware Integration Engineer with superior problem solving and troubleshooting skills. This role is a combination of manufacturing test support, internal/external validation & compliance testing, and development support for new computer products including laptops, desktops, workstations, and servers. The ideal candidate will have a good understanding of BIOS/UEFI firmware, PC & Server Hardware, SQL Queries, and Operating Systems (Windows/Linux) to ensure seamless system integration during the test and validation process.

#### **Duties & Responsibilities:**

- Collaborate with hardware and software teams to ensure proper firmware integration.
- Collaborate with computer component manufacturers (eg motherboard, power supply) for optimal product firmware and settings for efficient energy usage.
- Interact with external Test Labs to ensure accurate test methodologies and documentation.
- Troubleshoot and resolve hardware-related issues using diagnostic tools like Eurosoft. Optimize current software tools for better and efficient test coverage
- Conduct system-level debugging and root cause analysis for firmware and hardware issues.
- Validate firmware functionality through rigorous testing and documentation.
- Assist Senior Engineers in development and testing newer technologies.

#### **Preferred Qualifications:**

- Experience with Intel/AMD platforms and chipset initialization.
- Knowledge of ACPI, SMBIOS, PCIe, and other firmware standards.
- Familiarity with secure boot, TPM, and firmware security best practices.
- Good understanding of computer hardware and architecture including operating systems, firmware, and drivers etc.
- Familiarity with Energy Star Testing and experience in Product Validation Testing Labs

Requirements:

- Bachelor's degree in computer engineering, Hardware/Software Engineering, Electrical Engineering, or equivalent & 2+ years of hands-on experience in PC and Server assembly and deployment

OR

- Associate's degree in a similar field & 5+ years of experience in PC and Server assembly and deployment
- Strong understanding of computer architecture, hardware interfaces, and boot processes.
- Excellent debugging and problem-solving skills.
- Excellent analytical and problem-solving skills with attention to detail.
- Strong oral and written skills with the ability to communicate highly technical issues/results in simple terms.
- Strong collaboration skills, with the ability to work effectively with colleagues of varying skill sets.
- Proven ability to work independently with minimal supervision.

Benefits:

- 401(k) and 401(k) matching.
- Dental Insurance
- Vision Insurance
- Disability Insurance
- Health Insurance
- Life Insurance
- Employee Discount
- Flexible scheduled
- Paid time off

Send applications to [careers@acecomputers.com](mailto:careers@acecomputers.com)