Acertara Acoustic Laboratories

Job Description

Position Title: Software Intern
Reports to: Lead Software Engineer
Status: Internship
Location: Longmont, CO

Overview

The intern in this position will assist in development and testing of software for the company's Web-based Enterprise Resource Planning (ERP) infrastructure and for the company's product lineup of medical test equipment. The ERP technologies center around Django, but hands-on time with a variety of Web technologies can be expected (HTML, JS, SQL, etc.). The software involved with the medical device products is typically Python, C, and/or LabVIEW on Linux or Windows platforms. This position requires attention to detail and the ability to work with a wide variety of business and engineering personnel.

Responsibilities

The intern can expect to encounter a subset of the following duties:
- Complete task assignments from project backlogs; this will include software development and software testing tasks.
- Understand software requirements, design documents, use cases, and test cases.
- Interact with co-workers to develop and implement process workflows.
- Support the integration of smart devices into the company's ERP infrastructure.
- Device-level software involving USB, I2C, Ethernet, firewall configurations, and virtual machines.

Minimum Qualifications

Education & Certifications
- Currently working toward an undergraduate or graduate degree in CS, IT, EE or similar field.

Work Experience
- Experience with team-based software development during college studies is expected.

Skills Experience
- Web application development in both server and client contexts.
- Front-end languages: JavaScript, jQuery, CSS, and HTML.
- Back-end languages and data formats: Python, SQL, JSON, XML.
- Familiarity and motivation with software test toolchains and techniques is a plus.
- Experience connecting software services via Web and non-Web APIs.
- Version control familiarity, especially with Git and SVN.
- Ability to work with software management platforms such as GitLab, Bitbucket, Github, etc.
- Proficiency with productivity software such as MS Office, Google Docs, etc.

Attributes
Candidates should have:
- Excellent verbal and written English language skills.
- A self-driven and organized attitude toward software development, peer interaction, and documentation tasks.
- Familiarity with light Agile software management workflows involving issue and task management.