

Student Developer (Integration Team) - Job Description

Position Overview

Do you want an opportunity to do work that will positively impact every other student on campus? Then consider joining the Student Information Systems' Integration Team. The Student Information Systems (SIS) Project (<http://sisproject.berkeley.edu/>) is a complex, multi-year initiative that will replace the University's aging, disparate and outdated systems (e.g, TeleBears, myBerkeleyApp, etc.) with a modern, integrated enterprise system.

Working on the SIS Project is a demanding job - the technical expectations are very high - but the rewards are great. You'll be part of a large team consisting of professional developers, designers, project managers, and support staff all working on building a state-of-the-art enterprise system of the kind found in other academic institutions and in industry.

The Student Developer (Integration Team) is a highly technical position and will require a special student with strong aptitude and demonstrated skill in specific technical areas. The successful candidate will need to commit a significant effort to the project over the summer. We will train and mentor the right candidate who we expect to produce results in a very short time frame.

Perks

- We expect you to work at our office (2850 Telegraph Ave, 6th floor, Berkeley) at the outset but after a short while you will be able to **work remotely** and with a **flexible schedule**.
- You will be working with the **latest technologies that industry positions are seeking**. We use Java EE to design, code and test synchronous and asynchronous APIs that run on the campus Enterprise Service Bus.
- You can make **your ideas** about how to make the online web experience for students, staff & faculty a reality.

Qualifications

Required

- Responsible and dependable.
- Friendly and approachable.
- Ability to work productively in a team.
- Ability to work independently on assigned, sometimes complex, projects and complete them with minimal instruction.
- Ability and motivation to learn new skills.
- Close attention to detail.
- Ability to work a minimum of 20 hours per week and up to full-time (40 hours per week) during Summer 2015.
- Strong Java programming skill and broad knowledge of the Java EE platform.
- Experience with web API development and deployment of Java applications in an ESB environment.

- Minimum GPA of 2.0.
- Successful completion/clearance of a UC criminal background check and fingerprinting through UCPD.

Preferred

- Ability to continue work on a flexible basis through the 2015-16 academic year.
- Experience with test-driven development in a continuous integration environment.
- Experience with JIRA or similar issue-reporting tool.
- Experience with GIT, Subversion or similar source code management tool.
- Work-study is a plus.

Terms of Employment

1. The period of employment for this position commences upon hire and may continue through the end of the 2015-2016 academic year pending satisfactory job performance.
2. The position pays a wage of \$20 per hour. The student must be a currently enrolled UC Berkeley student with a minimum GPA of 2.0 (2.3 or higher preferred). Students with less than a 2.3 may be asked to limit their work hours.
3. The student is required to work 20-40 hours per week during the summer. A work schedule will be determined in consultation with your supervisor.
4. Initial employment with the SIS Project team is contingent upon the successful completion/clearance of a UC criminal background check through UCPD.
5. The student must complete FERPA training prior to accessing SIS / production systems and data.
6. Continued employment is contingent upon satisfactory job performance evaluation by your supervisor.
7. It is a requirement that anyone in this position work in a safe and responsible manner while not putting himself/herself or others at risk. This includes complying with applicable policies and regulations; observing warning signs; learning about potential hazards; and reporting unsafe conditions.

Job Duties

Software Development and Documentation

- Assist technical staff with the design of new web APIs to support campus data consumers.
- Draft design documents for APIs, message contracts and enterprise data objects.
- Assist with coding and unit testing of new APIs and assist with integration testing to validate that services can be consumed by downstream applications.
- Participate in team technical meetings and design work sessions.

Administrative Duties

- Report status of work through JIRA tickets.
- Document code consistently throughout the development process.
- Prepare other documentation as directed by technical lead.
- Update the the SIS Student calendar (bCal) regularly.
- Participate in team project meetings.