SAP Ariba

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Victor Chen, Software Engineering Intern on the Open API Team. June – August 2016. Palo Alto, CA
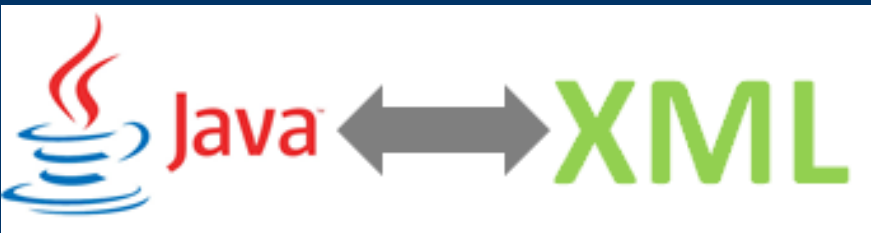
Description

I interned with SAP this summer, as a Software Engineer Intern on the Open API Team. Over the course of 10 weeks I developed several inner tool applications for other employees of SAP to use.

These applications all revolved around XML Settings Files and using various XML APIs. The programs I made included a diff checker, settings file creator, and settings verifier, and were client-side based so I developed both the front-end and backend code.

Achievements

One highlight of this internship was presenting my second project (an XML settings file creator) to my team, as well as several other project managers in. I was able to explain the functionality SAPand logic of my code, listen to feedback on my implementation and design, and provide additional suggestions on extensibility of the product as well as other features to include when I update the project. My manager was pleased with the presentation, and it was beneficial real world experience to have to present a finished product to the team that meets their demands and only has room to improve.

Languages and APIs Used

Connections

CSE 110 helped me a lot in being familiar with the agile software development environment. I had weekly and daily scrum meetings with my manager and mentor to check progress on my project, as well as answer any questions I had about the internship. We used Jira to manage tasks and plan according to the burn down chart, and Perforce for version control software. I was able to use my Java skills from CS 11 and 12 to do some of the backend coding, and had to implement a Breadth first search several times, (haven't taken CS 100 yet oops), as the XML DOM API parses an XML file through a Tree data structure.

Perks

Free Lunch

Free Drinks

Pink Berry!

What I learned

I was able to gain real-time work experience during this summer internship. It was also an opportunity to learn what a large company work culture is like, as well get used to corporate office dynamics. I was able to familiarize myself with the Spring Framework, as well as practice my Java and Javascript skills and front-end design skills. Now that I've worked at an extremely large corporate company, I will try to work at a smaller company, to compare the differences in cultures and hopefully gain an idea of what I want to accomplish in the future.