

## **Silicon Mountain Technologies (SMT)**

### **The Company:**

Silicon Mountain Technologies (SMT) is a software development company located in downtown Golden. The company is a ten-year veteran of creating leading-edge web-based solutions for Fortune 500 companies. SMT created a state-of-the-art web management platform which enables non-technical people to quickly build and modify very robust and complex web and mobile sites. The company recently began expanding its business into the global franchising industry. The company's platform offers a full array of products including a User Profile Management System, a highly targeted Marketing System, a single repository Consumer Data Warehouse, a Customer Relationship Management System, and a Learning Management System.

### **The Client:**

FASTSIGNS International, Inc. is the largest retail custom sign manufacturing company in the world with over 500 individual retail store locations around the world. FASTSIGNS has hired SMT to build the company's Internet-generation PoS (Point-of-Sale) and eCommerce systems. FASTSIGNS is fast growing and will be featured in the 2012 season of the hit reality show, "Undercover Boss", on CBS beginning in May. You will be working on a mission-critical project for this highly visible company.

### **The Project and Technology:**

You will be working on a leading-edge, web-based application that is built on an object-oriented, MVC design and LAMP-based architecture running in a highly scalable system and database architecture. Primary technologies include object-oriented PHP, MySQL, JavaScript, Json and AJAX.

### **Process and Project Goals:**

SMT manages this client project with an aggressive "modified Agile" approach, which includes a very rapid and iterative approach to software design and development. Students will be required to engage in this process to become productive contributors to the overall functional deliverables of the PoS and eCommerce platforms. Work assignments are grouped into two-week "buckets" and your code will be put through a peer-review process, giving you valuable, real-world feedback from highly experienced web application engineers.

**Skills Desired:**

Software Development, PHP (specifically object-oriented PHP a plus)  
Experience with HTML, JavaScript, Json, AJAX is highly desirable  
OO Application Design and Architecture, Networking and Web Services

**Student Benefits:**

This project will give the students experience and knowledge with:

- Architecting and building a state of the art, distributed user, web-based application for one of the largest retail franchises in the world
- LAMP architecture, PHP and related technologies experience
- Real-world, rapid, iterative software development processes and approaches, including peer reviews of your code
- Writing customized APIs as well as interfacing to those APIs

**Location:**

Students will be expected to work from our Golden office located on Washington Avenue under the "Welcome to Golden" arch.

**Questions?**

Please contact James Camire ([james@siliconmtn.com](mailto:james@siliconmtn.com); 720-260-4768) with any questions you have regarding this project.