

SEAN LU

Cell: (917) 208-7030 | E-mail:seanlu860@gmail.com | Address: 1300 Clinton St., Apt#527, Hoboken, NJ 07030

WORKING EXPERIENCE

Innovatis Technologies, LLC

Jersey City, NJ

Software Developer

Aug. 2015-Present

Local Services Selling Web Application (AngularJS, Node.js, Express.js, MongoDB, MySQL, AWS S3)

Developed a responsive E-commerce web application utilizing extensive technical skills to enable local service providers to sell their services online and more easily manage and communicate with their customers

- Created and Designed front-end with **AngularJS framework, HTML5, Javascript** and **AngularUI**
- Built front-end part with **Grunt** and manage dependencies with **Bower**
- Organized components of the interface using **AngularUI Router**, control the user interface (UI) design using **AngularUI Bootstrap** and visualize data to provide a user- friendly experience by **AngularUI Grid**
- Created More than 50 directives and services components to make the application more manageable and reusable, and loaded them using **Oclazyload**
- Implemented **REST** web service with **Node.js** and **Express.js**, wrote and retrieved data with **AngularJS \$http**
- Used **MySQL** for users related data, **MongoDB** for products information data, **AWS S3** for images and files data
- Performed unit test using **Jasmine** and **JUnit** along with integration testing tool **Chrome Inspector** for bug fix
- Used **Git** as the code version control tool, **Bitbucket** as repo hosting tool and **JIRA** as scrum management tool

Tax Return Web Application (JQuery, Bootstrap, Java, Spring, Hibernate, MySQL)

Developed a tax return web application contains features such as tax return tips and directions, documents with auto fill, tax return estimation and etc.

- Involved in design and development of UI component using **JavaScript, JQuery, HTML5, CSS3** and **Bootstrap**
- Worked on **Bootstrap** framework to create a responsive design, allowing the web page to appear more appropriately on various devices and screen resolutions without any change in appearance
- Integrated **JQuery** to give rich user experience and forms validation
- Applied **Spring** framework for **IoC**, and implemented **Hibernate** as **ORM** tool to interact with **MySQL** database
- Implemented **Spring Security** for authentication, authorization and access-control for the application

Works Applications Co., Ltd.

New York, NY

Software Engineer Intern

Dec. 2014-Dec. 2014

Toy Selling Project (Html5, CSS3, Bootstrap, JQuery)

Analyzed business requirements, designed system and implemented the front-end view for a toy selling website.

- Built a navigation bar, a drop-down menu, and a list view, and refined filters for toy products to deliver an enjoyable user experience by **Html5** and **JQuery UI**
- Created responsive and multi-device friendly design by **Bootstrap** to enhance end-user satisfaction.

Nation Institute of Informatics

Tokyo, Japan

Researcher

Mar. 2011-Dec. 2013

Research Data Management System (Java, Spring, Hibernate, JSP, Servlet)

Created a web based data management application for effectively saving and retrieving research data

- Integrated **Spring** with **Hibernate** for mapping massive amounts of data to the database
- Created grid view for retrieving data using **jqxGrid** and Html, interacted with data using JSP and Servlet
- Compressed large-scale images by **Random Projection** method and displayed them as a preview before retrieving real data to enhance application efficiency

EDUCATION

Stevens Institute of Technology

Hoboken, NJ

Master of Science in Computer Science

Jan. 2014-May. 2015

Chiba University (Top 10 in Japan)

Chiba, Japan

Master of Science in Informatics Science

Apr. 2011-Mar. 2013

Bachelor of Engineering in Informatics and Image Science

Apr. 2007-Mar. 2011

TECHNICAL SKILLS

Languages: JAVA, C/C++, SQL

Web Development: HTML5, CSS3, JavaScript, JQuery, AngularJS, Node.js, Express.js, AJAX, Bootstrap, JSON, Spring, Hibernate, JSP, Servlet

Tools and Databases: Git, JIRA, Jasmine, JUnit, MySQL, MongoDB