SOFTWARE ENGINEER

Summary

Software Developer with vast experience in all the phases of the Software Development Lifecycle (SDLC) to develop well-researched, cost-effective and responsive solutions. Design, develop, and test maintainable, robust, object-oriented, multi-threads code using Java, Javascript and Python.

Skills

Java, Javascript, C/C++, SQL, Python, Objective-C, Erlang MySQL, PostgreSQL, MongoDB HTML5, CSS3, Node.js, RESTful, Hibernate4, ReactJS, AngularJS, jQuery, AJAX, Bootstrap

Experience

Jan 2017 to May 2017
Bickford Senior Living

- Developed Restful web service that recommend appropriate courses to different students using MVC framework and Hibernate in DAO layer with MySQL.
- Created recommenders based on Collaborative, Content-based Filtering and Knowledge-Based Recommendations.
- Involved in Apache tomcat server installation and configuration.
- Mainly in charge of Main Page, Login Page, User Home Page development, implementation and System Integration.
- Implemented Javascript and ReactJS heavily to develop the website UI Web Crawler and Movie Search.

Sep 2016 to Dec 2016

- Implemented dynamic website with Node.js, AngularJS, HTML5, CSS3, Bootstrap and MongoDB.
- Developed a web crawler by Python to collect 100,000 movies' information for IMDB.com.
- Created search engine for movie search by Python.

Software Engineer Mar 2016 to Aug 2016
Bickford Senior Living ï¼ Erie , OH

- Developed RESTful APIs to serve a single page web application which calculate parameters and plot data graphs for centrifugal pump project.
- Implemented the view layer using HTML5/CSS3/ ReactJS, Controller by Java Servlet, and the persistent layer using Hibernate DAO with MySQL.
- Created web dynamic chart for data curve based on Highcharts library.
- Used Agile project management methodology to accomplish tasks and communicate with development teams.

Research Assistant Java Developer May 2012 to Jul 2015
Airlines Reporting Corporation ï¼ Middletown

- Developed and implemented the energy-efficient and robust time synchronization algorithm based on time-average strategy and Maximum Likelihood Estimators.
- Designed and tested LEACH protocol based on particle swarm optimization and ant colony optimization.
- Created GUI for a Remote Visual Integrated Developing Environment using JavaFX.
- Implemented LRU Algorithm to improve the performance of system using Java PROJECTS.

Education and Training

Master of Science , Computer Science May 2017 Stevens Institute of Technology ï¼ City , State Computer Science 3.8 / 4.0

Master of Engineering , Computer Technology April 2012 Nanjing University of Posts and Telecommunications ï¼ City , China Computer Technology 3.5 / 4.0

Bachelor of Science , Electronic Information Engineering June 2008 Hunan Institute of Engineering ï¼ City , China Electronic Information Engineering 3.5 / 4.0

Skills

Agile, AJAX, ant, Apache, C, C++, com, Content, Controller, CSS3, DAO, Databases, energy-efficient, GUI, graphs, HTML5, Java, Javascript, jQuery, MongoDB, MVC, MySQL, Objective-C, optimization, Page, PostgreSQL, Programming, project management, Python, Servlet, SQL, strategy, System Integration, tomcat, view, website