KUANG "ALBERT" XIONG

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A self-motivated developer with a strong academic background. Ability to think through a problem coupled with the confidence to make ideas heard. A proven ability to maintain and enhance company software with the aim of improving operational functionality in line with requirement.

Skills: Java, Python, JavaScript, HTML, CSS, Ruby, JSP, Spring, Struts2, Hibernate, d3.js, Hadoop, Scala, Spark, Pig, Hive, jQuery, Bootstrap, React, Redux, Ajax, MySQL, MongoDB, JDBC, Git, Android, IntelliJ

EXPERIENCE

Associate Engineer
CHINA NATIONAL PETROLEUM CORPORATION, Beijing, China   May 2013 – July 2015
■Development and maintenance of the forum module of Office Automation system of BGP.
■Used Spring Framework to manage the dependency injection and integrate the frameworks. Utilized Hibernate for database connection, Object Relational Mapping and data persistence. Used Struts2 to maintain the relevant control of the view.
■Responsible for the definition, design, integration and support of the Geophysical Database Management and Display System.
■Led team of 3 to build video conference system in China and Dubai, and provided on-site technical support.

PROJECTS

Programmer of *Data Manipulation in Hadoop*   Jan 2017 – Mar 2017
■Built MapReduce job to implement the K-Means clustering in Hadoop .
■Developed Java MapReduce code to perform join and various optimization techniques.
Front End Developer and Data Parser for *Rua DOTA*   Aug 2016 – Nov 2016
■Built a Dota2(a video game) statistics visualization application using D3 library.
■Designed front end using Bootstrap for a clean and mobile-responsive user interface.
■Modularized feature development, interpreted the Dota2 web API and implemented the data management module, which facilitated the development process.
Soloist Programmer for *Shooping Cart*   Sep 2016 – Nov 2016
■Developed a Universal Shopping-cart application in React, Redux Express and MongoDB.
■Manage user sessions in Express, implement server-side rendering in React.js and maintaining state in Redux.
Android Developer for *What To Wear*   Aug 2015 – Dec 2015
■Developed a Android outfits suggestion application which can help the users build their own virtual closet and suggests clothes with three factors – real time weather, event, and color scheme.
GUI Lead, Controller developer for *WPI Route Finder*   Aug 2015 – Dec 2015
■Worked on a team of 7 to design and implement a path finding application in Java.
■Designed the application with MVC framework, applied agile software development techniques and principles as well as several design patterns(Observer, Singleton, Strategy) to the project.
■Implemented the GUI with Swing. Used Git to manage code. Implemented code and help design code for MySQL database using JDBC driver.
■Collaborated with team to create and implement a strategy to refactor the data management module, resulting in a simpler, faster and more stable user experience.

EDUCATION

M.S. in Computer Science, **2017**, Worcester Polytechnic Institute, Worcester, MA
M.Eng in Electrical Engineering, **2013**, Beijing University of Posts and Telecommunications, China
B.Eng in Electrical Engineering, **2010**, Beijing University of Posts and Telecommunications, China