Patrick Shi

Cell: 0499182037

Patrick881199@gmail.com

West Ryde, Sydney, Australia

Summary

- Passionate Full Stack developer looking for an opportunity to develop great projects with corporate value.
- Result-driven, detail-oriented professional who is also always eager to learn new knowledge and are willing to share
- Australian PR holder

Technical Skills

- Proficient in
  - Front-end: HTML5, CSS3, Sass, JavaScript (ES6 +), React, React-hooks, Redux, Redux-thunk
  - Back-end: Core Java, Spring Boot and Hibernate
  - Database: MySQL
  - Tooling: Git, GitHub
- Familiar with
  - Amazon EC2, AWS S3, RDS

Projects

University Voting System   June 2019

Functionalities

This website was created to enable people to vote online. The front page displays the introduction of the poll and the candidates' brief (Click to see details). The admin can edit the poll introduction and candidate's information. The maximum number of candidates that one can select in one vote can also be set. One IP address can only vote once.

Responsibilities – Full Stack Developer

- **Crafted Website UI based on design and integrated its interaction in pertinent to business logic,** following consistent responsive design and abstract patterns using (HTML5, CSS3, Styled-components, framer motion, JavaScript, React, Redux, Thunk)
- **Design and implement RESTful service API with swagger documentation support, designed database** with optimized schemas to reduce load and further make joint debugging with its data-driven frontend Components using (Swagger, Spring Boot, and MySql).

Technologies: HTML, JS, CSS, Styled Component, framer motion, React, React-hooks, Redux, Redux-thunk, Java, Spring Boot, Spring Security along with JWT authentication, MySQL,

O-week registration system   June 2014

Functionalities

This website provides college freshman with information they need in o-week, such as their dormitory number, and college guide, in addition, collects student's information such as their personal experience and family relationships. Students can login using their identity card number as username and college entrance examination number as password.

Responsibilities – Full Stack Developer

- Creating a base servlet in which java reflection is used to call the function based on request parameter. Every other servlet will extend the base servlet, so that only functions are needed to be defined in those sub servlets
- Using FileUpload, DbUtils and BeanUtils from apache commons to simplify the process of uploading photo, manipulating data and parameter assignment respectively.
- Using c3p0 as database connection pool
- File Name Hashing: Creating a Hashed Directory Structure to store students' photos
- Using dynamic proxy in the filter to enhance method getParameter () in class HttpRequest - setting Chinese character encoding to avoid garbled code output, which is actually the idea of **AOP**
- Creating a bean factory (utilize dom4j to parse xml file) and applicationProperties.xml (store the information of DAO implementation class), so that the implementation class can be created by bean factory using java reflection which is actually the idea of **IOC**.

Technologies: Java, JSP, Servlets, MySQL, HTML, JS, CSS, Bootstrap

Industry Experience

Full Stack developer   July 2014 – Dec 2020
Guizhou Normal University   Guizhou province, China

- Develop and maintain Web Applications utilizing clean code principles.
- Take initiative in suggesting and implementing improvements.
- Research development improvements and keep up to date with best software practices
- Conduct regular code reviews

Other Experience

Lecturer   July 2014 – Dec 2020
Guizhou Normal University

- Instructed successfully for the institute of international education of GZNU (started as an assistant lecturer).
- Provided instructions in data analysis, machine learning, and web development (awarded lecturer in 2016).
- Tutored students in the computer lab.

Education

Master's Degree – Information Technology   **07/2010-07/2012**

University of Technology, Sydney   Sydney, Australia

Bachelor's Degree – Computer Science   **09/2006-06/2010**

University of Shan Xi   Shanxi Province, China