Cai You

Front End Engineer

Make everyday count

Education

2011–2014	**Computer Technology**, *Master*, Institute of Network Technology, Beijing University of Posts and Telecommunications.
2007–2011	**Computer Science and Technology**, *Bachelor*, School of Computer, Beijing University of Posts and Telecommunications.

Master thesis

Title	*OPTIMIZATION OF INFORMATION COLLECTION SYSTEM FOR DYNAMIC WEB PAGES*
Supervisors	Liao Jianxin
Description	Designed a Web crawler for dynamic web page which is rich of Ajax, and the main method is using JavaScript analysis

Skills

Front End	HTML5, CSS3, JavaScript, jQuery, JSON, Bootstrap, Backbone.js, Angular.js
Back End	php, skilled at fleaPHP MVC Framework
Algorithm	Familiar with data structures such as Array, Linked list, Queue, Stack, Hash and Set Familiar with Algorithms such as Binary Tree, Diagram, Sort, Dynamic Programming, Greedy Algorithm etc.
Database	Basic manipulation of SQL, mySql and phpMyAdmin
OS	Basic commands of Linux, skilled at developing in Linux
Server	Basic configurations of Nginx and php-fpm
Develop	phpStorm, secureCRT, FileZilla, VI, Sublime text, Git, SVN
Others	Photoshop, MS office, LATEX, Adobe Audition

Working Experience

2011–now **Front End Engineer**, *EBUPT Information Technology CO., LTD.*, Beijing.
Web application designing and developing with HTML, CSS, javaScript and PHP.

- Commercial WiFi "Yue-BOX":
  - Introduction: Yue-BOX is a project combining hardware and software. The product is an intelligent box(router) aiming at industry users. The hardware part is a independently developed router, and the software part includes functions such as Account System, Device Management, Site Templates, Site Building, Site Push and Data Upload.
  - My work:
    - In charge of the development of Account System, Site Templates and Site Building etc., implementing with Bootstrap, HTML, CSS, PHP and mySql.
    - In charge of the development of APP Engines running in box-end. Product aspect: customized development(news, menu, register, lucky draw etc.) for different using scenes(hotel, airport, restaurant etc.); Technology aspect: responsive and mobile first design for different devices.
    - In charge of software platform upgrade and cutover. Using Gitlab for version control, grey release on multi-platforms; Using secureCRT for ssh connection and command execution; Using Schema Sync in Linux to generate database patch and revert SQLs.
- HTML5 game "GuanDan":
  - Introduction: A multi-player online porker game(which is a fashionable game in Jiangsu province of China) using HTML5, Backbone.js and the pushstream module of Nginx.
  - My work:
    - Mobile first and responsive design using HTML and CSS.
    - Work flow design with Backbone.js.
    - Algorithm implement of game rules with Underscore.js.
    - Using pushstream.js and Nginx configurations to implement the function of html message push(such as Long polling, Web Socket and so on) in order to simulate the instant communications in multi-player games.
- Self-help dish ordering system "Mr. Bean" order:
  - Introduction: A self-help dish ordering system using Bootstrap 3, jQuery, Angular.js and PHP. The system realized the dishes information collected from the server-side and the command from the mobile-side, which made ordering easier.
  - My work:
    - Bootstrap 3 customization for a better style and responsive break point, and generate the CSS file for a better presentation of mobile access.
    - Write HTML templates for Angular.js.
    - Implement a part of the front end work flow with Angular.js.
    - JavaScript performance optimization.
- Hybrid APP "Looking For The Takeout":
  - Introduction: A hybrid APP using HTML5, Zepto.js, Backbone.js, PHP and PhoneGap. It's easy to get the information and menus of nearby restaurants using GPS. It can be used for takeout ordering and restaurant service calling.
  - My work:
    - Static pages implement with HTML and CSS.
    - Interaction flow design and work flow implement with Backbone.js.
    - Fetch Data with Ajax and do CRUD operations through RESTful interface.

Languages

English **CET-6** *Have a good ability of listening, speaking, reading and writing. Skilled at using English for daily communications, technology documentations reading and general writing.*

Interests

Rock N' Roll Have been played Guitar for 11 years. A heavy metal band's guitarist and lead voice vocal. Till now, there are about 10 original songs (the lyrics of some of them are all English).