Xiaoyu Du

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Github: https://github.com/Shawydu
Portfolio: http://shawydu.github.io/

SUMMARY OF QUALIFICATIONS

- Full-stack Web developer, specializing in Ruby/Rails as well as Node/JQuery. Proficient with a wide range of languages, have basic knowledge of a bunch of frameworks.

- One year of working experience in software development in the IT sector. Good understanding the concepts of web application development, participated in various web application projects, specializing in Single-Page Application design. Have a good knowledge on Agile environment. Experienced in all stages of web development process from scratch up.

- Good knowledge about MVC Framework, and object-oriented design concepts. Familiar with Test Driven Development, using Rspec/FactoryGirl fluently.

- Familiar with MEAN-Stack development based on JavaScript libraries. Familiar with Ajax, TML5/CSS3, DOM, and JSON data transitions.

- Familiar with Bootstrap styling. Basic knowledge of SOAP TCP/IP HTTP protocols etc.

- Experience in project management, requirement analysis, project plans. Effectively share opinions, ideas and information. Openly listen to suggestion and ideas of others.

- Fluent oral communication and writing abilities in English and Mandarin.

ADDITIONAL INFORMATION--PROJECTS

Flixter – personal project (Git: https://github.com/Shawydu/flixter, Url: https://flixter-shawydu.herokuapp.com/)

- Description: An online two sided (teach and learn) platform. Registered users are able to create course details, uploads videos for each lesson also reordering lessons and sections. User will pay for the premium course to get enrolled, and view videos streaming for further steps.

- Technique: Rails framework, relying on MVC structure. Front-end uses HTML/CSS, JQuery/Ajax. Apply multiple Rails gems for adding features such as image/video uploading, payment (Stripe), editing lessons ordering, Using Postgres database, referring resources by uploading to AWS Cloud.

Endgame (Chess App) – group of 4, personal project (Git: https://github.com/EndgameFP/Chess-app, Url: https://endgamefp.herokuapp.com/)

- An online Chess app developed for chess fans, any registered players can create game or join others' games. The game can be played without fresh relying on the real-time API. The board game is funny, this game app can be used for newbies learning chess and for people's fun.

- Technique: Rely on Ruby on Rails framework for a bunch of logic based on chess rules, design models for each kind of pieces, relationship among them. Apply JQuery on front-end such that pieces on board operations. Using Firebase API for real-time playing experience. Bootstrap for minimum styling.

FoodClub – personal project (Git: https://github.com/Shawydu/foodclub, Url: https://foodclub-shawydu.herokuapp.com/)

- Description: A Yelp clone Web application. Designed for food lovers as well as tourists who are looking for awesome places. Registered users are able to add favorite restaurants of places with information, address is displayed by google map. Comments and Photos can be added by users, which will be shown on homepage and place's detail page.

- technique: Rely on RoR(Ruby on Rails) framework, combines with bootstrap style. Apply multiple Rails gems for adding functional features (Map display, Editing photos, etc). Postgre database, referring resources by uploading to AWS Cloud.

EDUCATION

Master in Computer Engineering   Sep, 2013 – June, 2015

University of Ottawa--Ottawa, ON

- Won Master Education Bursary for 6 consecutive semesters (Sep 2012 – May 2015).

- Certificate: MongoDB for NodeJS Developer (score:92/100).

Bachelor in Computer Science   Sep, 2009 – July, 2013

Sichuan University--Chengdu, China

- GPA: 3.2 out of 4.0 scale

PROFESSIONAL EXPERIENCE

Web developer – remote project (Chess Game App)   Dec 2015 – now

- Design code from backend to client side based on Ruby/Rails, helped designing data-model, deployed environment live on Heroku, make configurations clean and stable by Codeship. Use Rspec/FactoryGirl combing with Codeship in TDD(test driven development) concept, did a really effective deployment.

- Design JQuery logic for pieces drag and drop operations, draw images for pieces for better user experiences.

- Act as Agile team member using Trello online app, delivered code effectively during each sprint.

Internship   Chengdu, China

Quality Assurance –Xin Ke Tech. Inc.   Jan 2013 – Oct 2013

- Maintained and made testing UI to a well designed Embedded system, made functional test features to grab data.

- Learned writing well-tested code with colleague and complete new knowledge task on time.

Internship   Chengdu, China

Web developer—Hua Di. Inc.   Mar 2012 – Dec 2012

- Designed webpages relying on JSP, performed serving job information for graduating students, using JavaBeans IDE.

- Completed the clear design of user interface. Involved in designing practical data scheme of medium scale website based on MySQL.

- Study and wrote functional design documents using UML, Sequence diagrams, Flow charts.