Dan Wang

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About me

A passionate IT expert with M.S in Information Technology and 3 years' experience of web application development, offering outstanding ability to work with various programming languages and web frameworks, including Angular, Node.js, React, Vue.js, Java Spring, Ruby on rails, C++ and PHP.

Experience

Full Stack Developer

JR Academy

Brisbane, Australia, internship

Nov - 2019 - Now

Participate in the front-end web development & backend web development for the company's websites.
- Project Management: Jira, bitbucket
- Front-end development: CSS, Sass, Pug (Jade), JavaScript, React, Redux, Bootstrap, jQuery, Ant Design Pro
- Back-end development: Node.js, MongoDB, Mongoose, KeystoneJs, Rest API
- Project links:
Official website: jiangren.com.au
Online learning system (LMS): learn.jiangren.com.au

Web Developer

University of Queensland

Brisbane, Australia, course project
July -2019 - Nov-2019

Build an interactive gallery for displaying historical maps in State Library of Queensland, made from CSS, HTML, JavaScript and PHP. The features of the project include:
- Login/Register as a user
- Check all historical maps and modern maps, fetched from digitised map API and google map API.
- Play the interactive map flipping game and quiz.
- Search and leave a like
Project link: https://deco7180-c02t08.uqcloud.net/index.php
Map API: https://www.data.qld.gov.au/dataset/digitised-maps/resource/22bd64b9-1c7b-4a30-9dff-cc86227632a8

Build an online content management system (CMS) for staff seating and allocation, with React Redux, Redux Hook, Material-UI, NodeJS and MongoDB. The features of the project include:
- Add/remove a seat from the interactive map built from Leaflet.js
- Login as the admin
- Modify and change staff information
Description link: https://s4305352-deco7180.uqcloud.net/deco7381/index.php

Build a job recommendation system, with Apache Spark, PHP, MySQL, docker, Google cloud platform. The features of the project include:
- Job recommendation based on user's information with Apache Spark MLlib
- Project packaged with docker containers
- Deployed on Google Compute Engine

Web Developer

University of Queensland

Brisbane, Australia, course project

March -2019 - June-2019

Build an online food ordering system with PHP framework (CodeIgniter) with MVC design pattern. The features of the project include:
- Login/register system with the verification feature through e-mail.
- Data autoloading with Ajax
- Shopping cart with adding/removing items
- Inserting dishes and leave a comment
Project link: https://s4305352-deco7180.uqcloud.net/food_ordering_MVC/index.php

Full Stack Developer

JR Academy

Brisbane, Australia, internship

December-2018 - March-2019

Build a staff leave management system using React, Node.js, MongoDB, Ant Design, Restful APIs with 3 other team members. The features of the project include:
- Staff apply for a leave
- Admin approve or reject the application
- Deployed on AWS.
Project link: http://jr-eleave.s3-website-ap-southeast-2.amazonaws.com/

JAVA Developer

University of Queensland

Brisbane, Australia, course project

July-2018 - November-2018

Take part in a team-based 4 player online battle arena (MOBA) game for the course DECO7280 in UQ, which is built using Java with Gradle managed by Gitlab with following technologies:
- version control, build systems
- continuous integration, test-driven development, mocks
- API design, code coverage and analysis tools

Junior Software Engineer

Guangzhou Spark Technology

Guangzhou, China, full-time

Sept-2016 - Dec-2017

Work as a junior software engineer to help the company develop its e-commerce website for automobile light products.

Responsibilities:
- Maintenance of the Java code base of company's e-commerce website
- Update of content stored in the database(MySQL)
- Deployment of code through all environments to production
- Work with agile methodologies (scrum)

Technologies/Frameworks used:
- Java, Spring Boot, JSP, Servlet, REST, JavaScript, HTML, CSS, JUnit, Git, JSON, Jira, MySQL

Skills

Web development: JavaScript (ES6), React.js, Node.js, .Net, Ruby on rails, React Native, Vue.js, html5, CSS, SASS, angular, express, jQuery, Webpack, RESTful API, Bootstrap 4, Ajax, GraphQL, Swagger, TypeScript, Spring, JSP, Java Servlet.

Programming language: python, java, C++, JavaScript, Scala, PHP (Laravel, CodeIgniter, Symfony), C#, Ruby.

Database Implantation: Database design, RDBMS, MySQL, Oracle, MongoDB, Cassandra, Firebase.

Cloud: AWS (EC2, RDS, EBS), Google Cloud (Compute engine, App engine, Kubernetes engine), Docker, Heroku.

DevOps: git, bitbucket, Jenkins, agile (Jira, Kanban, Scrum), test-driven development, design pattern.

Operating Systems: Linux, Mac OS, Windows.

Other skills: IELTS Band 8, PTE 89, Queensland's Open Driver License.

Education

Master of Information Technology
The University of Queensland

St.Lucia, Queensland

2018-2019

GPA 6.3/7, Major: Information Technology

Core courses: Software engineer, Data structures, Algorithm, Web design and development, Cloud computing, Database design and development, Human Computer Interaction.

Bachelor of Science (Honours)
The Hong Kong Polytechnic University

Hong Kong

2013-2015

GPA 3.7/4.0, Major: Chemical Technology
Dean's Honors List 2013/2014 in Faculty of Applied Science and Textiles.
The 2nd Runner up in the 25th Hong Kong Chemistry Olympiad on "Chemistry and Aircraft Development"

Bachelor of Science
Sun Yat-sen University

Guangzhou, China

2011-2013

GPA 3.8/4.0, Major: Chemistry
The Second Prize Scholarship 2011-2013
Guangzhou Celera Biology Genetic Engineering Scholarship 2012-2013
Rutech Scholarship 2011-201