



# DANIEL WANG

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## Summary

- Passionate Full Stack developer looking for an opportunity to develop great projects with corporate value.
- Proactive and reliable team player who believes the fundamental of achieving success for a business is via seamless collaboration and good communication.
- Result-driven, detail-oriented professional who is also always eager to learn new knowledge and are willing to share.

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## Technical Skills

- Front-end: HTML5, CSS3, Sass, Less, BEM, Bootstrap, JavaScript (ES6 +), JQuery, Lodash, React, React-hooks, Redux, Redux-saga, Redux-thunk, Mobx, Ant Design, Material Ui, DvaJs, UmiJs, Pug, Webpack, Babel.
- Back-end: Node.js, Express, Koa, Eggjs, KeystoneJS, RESTful API, GraphQL, Swagger, JWT, Bcript, Helmet, Passport, Express-session, Redis, LRU Caching, Nodemail, Morgan, Ngnix ,PM2, Java
- Database: MongoDB, Mongoose, MySQL, Sequelize ORM
- Cloud: AWS (EC2, S3, Elastic Beanstalk, IAM, Route 53, Serverless, Microservice, API gateway, CloudFormation, VPC, Elastic Cache, AWS SDK)
- Testing: Jest, Enzyme
- Tooling: Git, GitHub, BitBucket, NPM, JIRA, Postman, Zeplin.
- Methodologies: Agile/Scrum, CI/CD (Bitbucket pipeline, Docker ,Github Webhook)

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## Experience

### JR Academy, Sydney

Oct 2019 – Present

*Full-Stack Developer*

*Full-time*

#### Responsibility

- **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, Sass, Less, JavaScript, React, Redux, Redux-saga, Pug, Bootstrap, Ant Design, UmiJs, and DvaJs).
- **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, KeystoneJS, and MongoDB).
- **Worked in an Agile/Scrum setting of 20 developers 5 business analyst and two DevOps Engineer and used JIRA** to plan, track and manage the project, participated in daily stand-up of up to 10 people and retro to provide insight and feedback, engaged with stakeholders.

## Achievement

- Proactively studied the project's existing code and the source code of the majority tech stack used by the company. sequentially, been **appointed as the "tech mentor" for newly hired employees and interns**. Simultaneously only two people in this position. Participated in pull request auditing with approval right and provides feedback. Coordinates efforts to make sure the project feature delivers on time.

- **Made deep customization of the project's framework, discovers the solution to problems within out.** Optimized for site access speed, bundle size, and accessibility. Maintained and upgraded the components and other codes to be reusable, readable, scalable, independent, and robust. Contributes to the project's utility repository and are constantly being reused by other dev.
- **Spotted and fixed critical issues within existing code,** Go-to person for bug-hotfix in production, and solved an enormous amount of them. Tend to identifies problems from the root cause, but simultaneously remain flexible.

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## Commercial Projects

**JR Academy LMS** | <https://learn.jiangren.com.au/>

An online learning management-portal, used by students, tutors, professional training instructors, marketing team, and academy management

### Highlights

- **Delivered complex course and learning management interactivities with bilingual support** such as visual drag and drop course scheduling. timetable management, syllabus importing with options, feedback collection, and login record caching system, nested routing, access control, etc.
- **Made major upgrade to uploading system,** previously user was stuck with the upload page and had to wait for it to finish, now the uploader can be freed to perform other tasks on the platform with visual feedback on the uploading process, and provided with remedy for failed upload
- **Customized the video playing kit from the cloud services provider (ALiCloud) to support functions that it does not natively support,** webpage full screening, and enabled keyboard control when multiple video players present on the same page with focus management. The added interactions are low cost on performance and scalable in nature and easy to manage.
- Thanks to known for being familiar with the source code of the project's framework, **tasked with the job to migration of the entire project to Umi3 version in cope with groundbreaking changes.** Through the process, solved legacy problem and further optimized the config setting for the project such as webpack plugins rewiring and google analytic support.

**JR Academy Official Website** | <https://jiangren.com.au/>

Official website of JR academy for business showcasing delivered via server-side rendering also serves as the backend hosting server hosting for JR academy LMS and contentful blogging of official website

### Highlights

- **Improved the google home page light-house speed by 25,** website ranking and diversity rating via optimizing webpack bundling, a complete redesign and overhaul the video schema and its middleware to be none-blocking, and modified ld+ file
- **Intensive Nodejs development experience** using express-async-errors, `async-await`, `promisify`, `Cors` `Morgan`, `mongoose`, `aws-sdk`, `htmltopdf`, `lodash`, `nodemailer`. Redesigned video playing system to follow single instance pattern to increase browser performance and can serve different content source if a user were affected by region restriction. Redesigned the material uploading process to fit into the scenario of three environment development, user acceptance test, and production
- Set up and **connects the project to elastic cache via lambda serverless functions.** Assembled elastic cache interactions into utility functions, with a design to split into namespaces and bitmap. Greatly reduces cost.
- **Cooperated with DevOps of the company on the deployment of the project** and its database connection be decoupled from within the Ec2 to independently hosted mongodb atlas with insights from a dev's perspective and my own knowledge of AWS vpc.

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## Personal Projects

**Daniel Wang's portfolio** | <https://danielwangzx.github.io/home/>

A responsive personal website for showcasing portfolios with detailed information, but it's not only just that, underneath, it is a full-fledged react project scaffold.

**Handy App** | <https://github.com/danielwangzx/handy-frontend>

a convenient online web app for looking up local tradies, house services and trading second-hand goods. developed with others in a team of 4 following Agile/Scrum during the height of the pandemic

**Weather forecast** | <https://github.com/danielwangzx/weather-app>

a convenient online web app for weather lookup, used to learn new feature after react-hooks was introduced

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## Education

**The University of Sydney**

*Master of Project Management (strategic Management implementation)*

Australia

*Dec 2013*

**Nanchang University**

*B. Eng. automation*

China

*Jun 2012*