**Joe (Xiaozhou) Cui**

**CONTACT**

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**CAREER SUMMARY**

I am a talented full stack web developer with more than 2 years of commercial programming experience.

I am looking to work in a place where I can make good use of my expertise. More importantly, I wish to work in projects where I have the opportunity to learn and apply the latest technology stacks.

Before changing my career in 2018, I had worked in the oil and gas industry for more than 7 years as a professional engineer, and developed plenty of transferrable skills.

**WORK EXPERIENCE**

**Web Developer (2019 - Present)**

*Company: BPA Analytics (Brisbane)*

Duty: Develop, maintain and upgrade eSurveys for data collection. Develop new projects and features to facilitate data collection. Technologies used: **React, Redux, TypeScript, Node.js, Express, Git, AWS, SQL Server, MongoDB, Sass, Python, C#, SPSS** and many more.

**Web Developer (2018 - 2019)**

*Company: JR Academy (Brisbane)*

Duty: Working in an agile environment, I was involved in the development and maintenance of JR Academy’s official website and other products, mainly using **Node.js** (Keystone, express and koa), **React** (AntD) and **Redux** (saga).

**Process Safety Engineer (2015 - 2018)**

*Company: Huahai Safety Science*

Duty: Process safety analysis and risk management for oil refineries and chemical processing plants.

**Process Engineer (2011 - 2015)**

*Company: Worley*

Duty: Process engineering design in the oil and gas industry. I worked in project-oriented and multi-disciplinary teams across the Asia-Pacific region, including Brisbane, Beijing and KL.

**KEY PROFESSIONAL SKILLS AND SAMPLE PROJECTS**

* **React** and **Redux**: highly experienced in both React Hooks and class-based components. Proficient in React related libraries such as **React-Router, Redux-Thunk, Axios, React-Bootstrap** and **Next.js** etc. Sample eCommerce project: <https://proshop888.herokuapp.com/>
* **Node.js** and **Express**: strong working knowledge of writing **REST API**s to perform authentication (**JWT**), authorisation and **CRUD** operations on **MongoDB**. Good understanding of middleware-based, **asynchronous** JavaScript. Project on AWS: <http://natours-env.eba-nf9b3ubt.ap-southeast-2.elasticbeanstalk.com/>
* **Angular**: I made several personal projects using Angular 10, familiar with **TypeScript**, @angular/core, **RxJs**, Services and Dependency Injection. Example: <https://emailclient-peach.vercel.app/>
* **GraphQL**: I used **Apollo** on both frontend and backend. Able to integrate Apollo as an Express middleware, and replace the traditional REST APIs with GraphQL. Example: <https://next-gql-portfolio.herokuapp.com>
* **LAMP** stack: I spent a year working with **PHP** and **MySQL** during my diploma study. I built traditional **MVC** web apps as well as modern APIs. API project: <https://www.joesdemosite.com/swimschool/index.html#homepage>
* **SQL** Database: Experienced in both **SQL Server** and **MySQL**, experience varies from data modelling all the way to daily maintenance.
* **NoSQL** Database: Advanced **MongoDB** / Mongoose skills, including data embedding, data referencing, aggregation pipelines, virtual population and query middleware etc.
* Solid foundation in web development: **HTML, CSS, JavaScript, jQuery** etc.
* **Version Control**: I use **Git** and **GitHub** on a daily basis, also familiar with **Bitbucket** and Source Tree.
* **Docker**: Good understanding of images, containers, dockerfile and docker-compose. Able to containerise web apps of various stacks, including MERN and PHP-MySQL-Nginx. Deployment on Amazon **ECS** orEC2
* **AWS**: I am a frequent user of AWS services: EC2, S3, ECS, Elastic Beanstalk, ACM, Route 53 and more.
* **Agile** experience: I used to work in an Agile team at JR Academy, using **Jira** and **Bitbucket** for ticketing, job logging, version control (branching) and code review.
* **Cyber Security** skills: password encryption, rate-limiting, authentication with JWT or OAuth, protected API routes, user input validation, SQL injection prevention, HTTPS-only cookies, HTTP headers setup etc.

**TRANSFERRABLE SKILLS FROM PREVIOUS WORK EXPERIENCE**

* Outstanding **problem-solving** skills: In my previous engineering design projects, I provided solutions to meet client’s needs while spending least money and time.
* Strong **communication** skills: I chaired many engineering workshops (HAZOP/SIL), coordinating the engineers from oil companies (owners), EPC contractors and vendors.
* Robust **time management** skills: I always prioritise my workload and able to meet the agreed deadlines for my project tasks.
* Excellent **research** and **analytical** skills: Obtained 1st class honours for my Master of Engineering degree (by research), published an academic journal article: *International Journal of Multiphase Flow*, Vol. 36, Issue 10, Pages 836-846
* Strong **adaptability**: I lived and worked in China, Australia, New Zealand and Malaysia either as a resident or as an expat.
* **Bilingual**, fluent in both English and Chinese. I lived in Australia and New Zealand for 8+ years combined.

**EDUCATION**

**Diploma of Web Development (top student in my class)**

TAFE Queensland – Web Development

**Master of Engineering (1st class Honours)**

University of Auckland (NZ) - Chemical and Materials Engineering

**Bachelor of Engineering**

University of Canterbury (NZ) - Chemical and Process Engineering