

# Lewis (Zian) Wang

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## Summary

Results-oriented and innovative software developer with over **5 years** of experience focused on both frontend and backend technologies. With technical expertise includes **Python, React.js, Node.js, Typescript, MongoDB, PostgreSQL, CI/CD**, automated tests. Highly skilled in designing and deploying scalable, high-performance applications used by thousands of users. A good team player in Agile environments, delivering projects on time.

## Skills

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Languages: Python, **Javascript**

Web tech: **Jest, RESTful API**, Redux

Front end: **HTML5, CSS3, jQuery, Next.js, React.js**, React Native, **Node.js, Typescript**, Bootstrap, TailwindCSS

DB: **MySQL, PostgreSQL**, MongoDB

Cloud: Docker, Kubernetes, **CI/CD, GitHub actions, GCP, AWS**

Tools: Expo, **Git**, Jenkins, **Jira**, Figma, Postman

## Work Experience

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Broadsheet media, Melbourne, Australia

*Full Stack Developer* | Feb 2025 - Now

Broadsheet Media Website

Technologies: Node.js, TypeScript, GCP, CI/CD, PostgreSQL, CI/CD, Unit Test

- Developed responsive and scalable website using **Next.js, TypeScript, integrated with RESTful APIs and Redis** for improving performance
- Developed scalable **RESTful APIs** using **Node.js, TypeScript** for providing dynamic data to UI side
- Leveraged **event-bus service** using **Message Queue** to ensure scalability and high usability.
- Designed **PostgreSQL** database schemas, manipulated and queried data using **SQL**
- Developed unit tests using **Jest and Python** to ensure high code quality and high availability of microservices.
- Built **CI/CD** pipelines for CMS and other services utilising container techniques such as **docker, Kubernetes**, created scripts to auto deploy web app on **GCP**.
- Collaborated in an **Agile** environment and cooperated with cross-functional teams to ensure the product meets the users' need.
- Participated in **code review** to ensure the quality of the code.

AnyStay, Brisbane, Australia (Remote)  
*Full Stack Developer | Dec 2023 – Apr 2024*

Description: Online innovative e-commerce platform for short-term and long-term stays, including hosts and guests system, sales, member portal and membership management.

Technologies: **React.js**, **Node.js**, **AWS**, Python, **CI/CD**, **Dynamo DB**, Unit Test

- Developed responsive web application utilizing **React.js** (Redux), integrated with GraphQL and executed the implementation of **RESTful APIs** using **Node.js**.
- Directed projects within a fast-paced **Agile** environment, consistently meeting deadlines for 2-week sprint cycles.
- Collaborated with UX/UI designers and cross-functional teams to craft outstanding user interfaces and experiences.
- Participated in comprehensive code reviews, enhancing code quality, optimizing design patterns, and reinforcing system architecture.
- Executed **CI/CD** pipelines to deploy the frontend on **AWS Amplify** and the backend on **AWS Lambda**.
- Gained experience in conducting cross-browser compatibility by simulating automated tests on different browsers and mobile devices.
- Conducted automated tests using Python Selenium.

ByteDance, Beijing, China (On Site)  
*Full Stack Developer | Jul 2023 – Dec 2023*

Description: Leading tech company that leverages data and AI to innovate social media platforms and enhance user engagement through content discovery.

Technologies: HTML5, CSS3, **Typescript**, **React.js**, **Node.js**, Python, PostgreSQL, **CI/CD**, Unit Test, Redis

- Partnered with UX/UI designers and team members to create high-quality user experiences.
- Developed web middleware using **Next.js**, **Typescript**, **RESTful API** using **Node.js** (Express.js) and PostgreSQL.
- Crafted automated API tests using Python and **Jest**.
- Integrated **CI/CD** pipelines to deploy both frontend and backend to the cloud service.
- Participated in an **Agile** environment, consistently delivering projects during 1-week sprints.
- Adapted **TDD** mode and conducted acceptance test for the middleware.
- Leveraged Redis to implement a queue system and reduce the latency of middleware by 60%.
- Engaged in code reviews, enhancing code quality, design patterns, and overall architecture.
- Maintained and developed internal system using Python and Django.

Kexing EasyGo, Beijing, China (Remote)  
*Lead Full Stack Developer | Nov 2020 – Nov 2022*

Description: Designing mobile applications for University of Queensland students that consolidates essential academic tools into a user-friendly platform for managing grades, deadlines, schedules, and course evaluations.

Technologies: **RESTful API**, **React.js**, React Native, **Node.js**, **CI/CD**, Bootstrap, unit tests, MongoDB

- Led a team of front and backend developers, conducted code reviews and provided technical support.
- Orchestrated projects in an Agile development environment, delivering results in 2-week sprints.
- Crafted mobile application frontends using **React.js**, **TailwindCSS** and **TypeScript**.
- Executed the implementation of **RESTful APIs** using **Node.js**.
- Leveraged **CI/CD** pipelines to deploy backend services to the cloud.
- Collaborated with UX/UI designers and other team members to deliver an excellent user experience.
- Facilitated automated testing using Python Selenium and API automation tests with Python and Postman.

Graviti, Shanghai, China (Hybrid)

*Full Stack Developer | Jan 2021 – Jan 2022*

Description: Graviti is a technology company dedicated to transforming AI development by providing next-generation tools for efficient dataset acquisition, storage, and processing, empowering industries with artificial intelligence.

Technologies: **Python**, Golang, MongoDB, Crawlal, **CI/CD**, **React.js**

- Operated within a dynamic Agile environment, consistently completing tasks within 2-week sprint intervals.
- Coordinated efforts with UX/UI designers, product managers, and multidisciplinary teams to achieve exceptional user-centered designs.
- Implemented **CI/CD** pipelines for deploying the frontend and API Gateway to cloud platforms.
- Crafted a distributed web crawling system using Python.
- Customized API Gateway and developed **RESTful APIs** with Golang and MongoDB.
- Designed and developed a dashboard using **React.js** and **TypeScript**.
- Conducted in-depth code reviews, raising code standards, optimizing architectural patterns, and strengthening overall system stability.

HD EDU, Shenzhen, China (Hybrid)

*Full Stack Developer | Nov 2018 – Nov 2020*

Description: HD EDU, is a leading platform, committed to providing a transformative customer experience for global university students in their academic studies, personal growth and career development.

Technologies: React, **RESTful API**, Python, **Node.js**, unit tests, **CI/CD**.

- Collaborated closely with UI designers and product managers to guarantee a top-tier user experience.
- Participated in an Agile team, consistently performing code reviews and delivering sprint results punctually.
- Adhered to coding standards, regularly refactoring code to ensure high maintainability.

- Developed and designed the official website using **React.js**, along with **RESTful APIs** using **Node.js** and MongoDB.
- Orchestrated web scraping automation using Python to gather and consolidate publicly available data from multiple universities.
- Designed and carried out automated tests with Python to validate the website's reliability and performance.

## Education

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- Master of Information Technology (Artificial Intelligence)

University of Melbourne, Australia

- Bachelor of Engineering (Electrical Engineering)

University of Queensland, Australia

## References

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Available upon requests