

# Gary Huang

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Visa Status: Permanent Residency

## Professional Summary

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Passionate and dedicated full stack developer with **4.5 years of experience** in designing, building, and optimizing high-performance applications and software using modern technologies. Proficient in both **front-end** development and **back-end** development, **testing**, and **cloud** services. Excellent communication skills and proactively working with designers, project managers and customers.

## Technical Skills

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Front-end:	<b>JavaScript(ES6+), React, TypeScript</b> , Redux, React Query, HTML5, CSS3, <b>Gatsby.js, Next.js</b> , Sass, Material UI, Tailwind CSS, Bootstrap, <b>styled-components</b> , Storybook
Back-end:	<b>Node.js</b> , Express, RESTful API, GraphQL, MongoDB, MySQL
Testing:	<b>Jest</b> , Enzyme, React Testing Library, Cypress
Tooling:	Git, Babel, NPM, Webpack, JIRA, Postman, <b>Docker</b>
Cloud:	AWS Lambda, S3, API Gateway, Amplify, Azure Function app, Azure App configuration, Azure AD
Methodologies:	BDD, TDD, CI/CD, Agile/Scrum, Scaled Agile

## Work Experience

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**MY EMERGENCY DOCTOR** Oct 2023 – Current  
Tech team – Full-stack Developer Sydney

### Responsibilities:

- Developing a dynamic CRM dashboard using **React, TypeScript, Azure**, and **Node.js** to visualize real-time communication workflows
- Integrated with Twilio's event data streams to ensure continuous data synchronization between the backend database and frontend updates
- Developed a comprehensive medical SaaS application using React, Redux, TypeScript, designed to optimize the workflow of doctors by displaying patient information in manageable batches. This system allows doctors to easily review and submit updates in real time, enhancing efficiency and patient care.
- Responsible for the full-cycle development of three key projects with clear communication with product owners and strategic prioritisation
- Build and maintain **CICD** pipelines across 5 projects using **Github Actions** to achieve auto testing, linting and deployment
- Collaborated with senior BA, designers and product owners to priorities tasks, delivering superior results that aligned with customer expectations
- Develop Twilio flex plugin to introduce innovative features, reducing doctor time consumption by 30%
- Developed robust APIs using **Node.js** using **Azure** functions, **AWS** Lambda functions and **Docker**
- Logging and hooking up application activities with **Sentry** to capture client side issues

### **Achievements:**

- Successfully reduced the workload of several public hospitals by 26% through our service and help public hospitals to align patient retention times with the hospital's standard benchmarks for the first time
- Enhanced doctor efficiency by reducing the average time spent per patient by 17%, maintaining the same quality of care while significantly lowering operational cost
- Achieved one project from stretch and deliver on time, with remarkable quality and user experience

## **LUMIANT**

Mar 2023 - Oct 2023

Product Iteration team – Front-end Engineer

Sydney

### **Responsibilities:**

- Maintain and refine Lumiant **design system**, using atomic design for categorising and theming front-end React components
- Develop front-end components with **TypeScript** and manage states with Zustand
- Integrating GraphQL APIs that are exposed by **AWS cloud-only serverless architecture**
- Design and build reusable front-end systems that drive complex web application using modern JavaScript frameworks and **UI principles**
- Collaborate with product designer and API engineers to deliver an innovative world-class product with an **outstanding end client experience**
- Contribute and adhere to best coding practices, continuous integration and continuous delivery processes
- Participate in code review and solution designs

### **Achievements:**

- Achieved a front-end data management layer to cache, sync and manage back-end response
- Successfully delivered two critical projects of high quality within extremely tight timelines, achieved zero major bugs and only a few minor bugs were identified during the UAT phase resolved within one week

## **SIEMENS**

Apr 2022 - Dec 2022

Digital Industries Software - Software Engineer

China

### **Responsibilities:**

- Participated in splitting and converting a complex industry CAD software NX into a modern web-based application using React, Redux, and TypeScript
- Developed the functionality to allow parts manipulation using WebSocket and Three.js
- Followed the **TDD** methodology using **Jest** and **React Testing Library** for unit testing
- **Mentored** three team members on technical skills such as debugging and testing
- Set up the code formatting process, including **husky**, **ESLint**, and **prettier**, to ensure code consistency

### **Achievements:**

- Developed the real-time features using WebSocket, enabling seamless updates and communication within the CAD application
- Achieved a 64% reduction in development project starting time, cutting it from 37 seconds to 13 seconds, by optimizing the **Webpack** configurations
- Reduced the website loading time by **73%**, resulting in a **saving of 11 seconds** per page load

## I-MOTOR

Jul 2020 - Dec 2021

Development Team - Front-end Developer

Sydney

### Responsibilities:

- Designed and developed a robust, highly-reusable **React UI library** of 38 components from scratch with full support for **accessibility**
- Implemented a Storybook showcase to display the React UI library, enabling clients to **preview components** and easily select components for their websites
- Spearheaded the development of a cutting-edge **zero-code platform**, leveraging drag-and-drop functionality that empowers clients to easily customize their websites
- Designed and implemented a **code generator plugin** that can **dynamically generate JSX code** based on the JSON-based page layout data from the zero-code platform using Node.js
- **Automated** the **CI/CD process** including checking code format and commits, running **unit tests**, generating headless Chrome performance reports, and deploying using GitHub Actions, Gatsby Cloud, AWS S3, and CloudFront
- Improved the robustness and quality of components by unit testing with **Jest** and **React Testing Library** and achieved **92% test coverage**
- Mentor and share knowledge with development team members on react and its ecosystem

### Achievements:

- Boosted company's **local market share** in Australia from **58% to 83%**
- The zero-code platform slashes **website delivery time from 60 hours to just 15 hours**
- Increased the customer base by 41% and boosted the customer retention rate from 46% to 72%

## TACHYONX

Feb 2019 – Jun 2020

Full Stack Engineer

Sydney

### Responsibilities:

- Develop and deploy official website to expand business using **React** and **JavaScript** for front-end components and **Node.js** and **express** for backend server and **MongoDB** as database
- Develop a full stack dashboard to allow users to explore learning materials and tracking learning progress
- Designed and implemented RESTful API for dashboard project to support learning functionalities
- Attend project planning meetings to analyse business requirements and translate them into the working model and user stories
- Promote collaboration with team members using Git and Bitbucket and JIRA

### Achievements:

- **Independently** achieved a full-stack dashboard and deliver to client within given timeframe
- Work closely with designers and product owner to understand requirements and always **prioritises urgent tasks to meet client requirements** and due date
- Significantly reduced website loading time by 2.1 seconds by implementing front-end **optimization** strategies
- Achieved an **36% increase** in website traffic by optimising SEO over a 3-month period

## Education

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<b>University of New South Wales</b>	Feb 2017 - Dec 2018
Master of Information technology	Sydney
<b>South China Agricultural University</b>	Sep 2012 - Jul 2016
Bachelor of Engineering	China

## Certificates

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AWS Certified Security - Specialty	<a href="#">Link</a>
AWS Certified Solution Architect – Associate	<a href="#">Link</a>
Oracle Cloud Infrastructure Certified Foundations Associate	<a href="#">Link</a>
Oracle Cloud Infrastructure AI Certified Foundations Associate	<a href="#">Link</a>
Oracle Cloud Data Management Certified Foundations Associate	<a href="#">Link</a>
Product Management Basic Certification	<a href="#">Link</a>
AI for Product Management	<a href="#">Link</a>
Certified SAFe5 Partitioner (Scaled Agile)	<a href="#">Link</a>