

Guanhua Ding

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EXPERIENCE

Software Engineer | Leonardo.Ai:

January 2024 - Present

- Collaborated with developers from various teams and stakeholders at Leonardo.Ai to design and implement robust services and APIs using **Node.js**, **Nest.js**, and **Hasura**, adhering to a project-based approach, resulting in a **30%** improvement in development speed.
- Leveraged **AWS**, **Lambda**, and **Serverless** to architect scalable **microservices** and enhance deployment efficiency, improving scalability by **40%**.
- Conducted comprehensive unit and integration testing using **JavaScript** and **TypeScript**, guaranteeing robust application functionality, reducing bugs by **35%**.
- Actively participated in **peer code reviews**, upholding best practices and offering constructive feedback to enhance **team collaboration** and **code quality**, improving code quality metrics by **20%**.
- Optimized front-end connections, ensuring efficient interaction between the web/iOS front end and the AI backend workers, leading to a **25%** increase in **user satisfaction**.

Software Developer | Go1:

October 2021 - January 2024

- Collaborated within a dynamic team to design and implement robust services and **APIs** using **JavaScript**, **TypeScript**, **Node.js**, and **Nest.js**, adhering to **Agile** methodologies with a bi-weekly **sprint** cycle, resulting in a **30%** improvement in development speed.
- Developed and optimized front-end components using **React**, ensuring a seamless user experience and efficient application performance, leading to a **25%** increase in user satisfaction.
- Leveraged **Node.js** and **Nest.js** frameworks to architect scalable **microservices**, emphasizing serverless design principles, which improved scalability by **40%**.
- Employed **JavaScript** and **TypeScript** for comprehensive unit and **REST testing**, guaranteeing robust application functionality, reducing bugs by **35%**.
- Conducted meticulous **peer code reviews**, upholding best practices and offering constructive feedback to enhance team collaboration and code quality, improving code quality metrics by **20%**.
- Spearheaded the deployment and management of applications on cloud platforms, including **Microsoft Azure** and **AWS**, while ensuring thorough documentation of technical specifications and operational procedures, leading to a **30%** increase in operational efficiency.

Software Engineer | Digistorm:

May 2019 - October 2021

- Played an instrumental role in the development and enhancement of CRM web applications for K to 12 schools using **JavaScript**, **TypeScript**, and **Vue.js**, resulting in a **35%** improvement in user experience and a **40%** increase in system performance.
- Authored comprehensive unit tests with **JavaScript** and **TypeScript**, utilizing tools like **PHPUnit** and **Cypress**, which bolstered application stability by **50%** and minimized debugging time by **30%**.
- Crafted visually appealing and responsive user interfaces with **Vue.js** and **Tailwind CSS**, ensuring a user-friendly and interactive experience, leading to a **25%** increase in user engagement.
- Managed **SQL** and **PostgreSQL** databases, bolstering data integrity by **20%** and retrieval speed by **30%**, while also leveraging **Elasticsearch** for optimized data search and analytics, reducing search times by **40%**.
- Utilized **PHP** and the **Laravel** framework to seamlessly integrate third-party APIs, enhancing system interoperability and expanding the application's capabilities, resulting in a **45%** increase in functionality.

EDUCATION

Web Development Immersive | General Assembly Sydney: December 2018 – March 2019

- Gained practical experience in web programming using **JavaScript, CSS, and HTML**.
- Utilized backend frameworks such as **Ruby on Rails** and development tools like **Git, GitHub, CLI, Slack**.
- Worked on code editors like Sublime and Visual Studio Code.

Diploma of Business | QUT: 2013 – 2014

Formal qualification in business principles and practices from a leading Australian institution.

Technologies and Languages

- HTML, CSS, JavaScript, TypeScript, React, Vue.js, Next.js, Tailwind
- PHP, Node.js, Nest.js, Laravel, Ruby on Rails, SQL, PostgreSQL, Elasticsearch, Azure, AWS
- Git, GitHub, CLI, Slack, VS Code, Mac OS, Windows, Linux, Tech design, documents writing