

# Chua Zheng Hwan

## Senior Frontend Developer

I am a front-end developer with 5 years of experience, specializing in Angular and React. My expertise extends to full-stack development using ASP.NET Core building RESTful API. I have also worked extensively with libraries for maps, image editing, and data visualization.

My experience spans industries such as manufacturing and supply chain, healthcare, cloud services and secure communication, real estate, and e-commerce. This diverse background enables me to design tailored solutions that align with unique business needs.

I'm always open to learning new things and embracing opportunities that allow me to grow professionally. I believe that continuous learning is key to help the team to solve problems and able to deliver high-quality results.

### Employment History

**Software Engineer at [BIDOT TECH PTE LTD](#) — Singapore, Raffles Place**

OCTOBER 2023 — OCTOBER 2024

Overview: Collaborated on the development of a digital entertainment platform with secure payment integration, a powerful back-office system, and real-time data tracking. Build efficient RESTful APIs for seamless data retrieval and optimize database performance for high-speed transactions.

Digital Entertainment Responsibilities:

- **Payment Integration:** Implement a new gateway while ensuring strict compliance with client specifications, including structure, mandatory fields, and capitalization rules, with thorough testing for accuracy and reliability.
- **Back-Office Management:** Build a back-office system for real-time UI updates, user records, event management, data tracking dashboard for interactive insights and analytics.
- **API & Data Optimization:** Build scalable RESTful APIs and optimize SQL queries for maximum efficiency and performance. Optimize APIs and data by refining SQL queries, debugging, and removing unused tables or columns for better performance.
- **Tech Stack:** [.NET Core](#), [React](#), [SQL](#), [Ant Design](#), [Tailwind CSS](#), [React Redux](#), [REDIS Caching](#), [TypeScript](#), [PostgreSQL](#).

### Details

**Address:**

Block 511, Bukit Batok ST 52,  
01-193 (Current Resides in SG)

**Contact (WhatsApp):**

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**Date / Place of birth:**

31 DEC 1993

Malacca

**Nationality:** Malaysian

**Driving license:** Yes

### Skills

Angular (Typescript)

React (Typescript)

.Net Core

SQL

Git & CI/CD

UI Framework

PostgreSQL

Analytical Thinking Skills

### Tech Stacks

**Frontend**

[React](#), [Angular](#), [UMIJS](#),  
[Typescript](#), [Ant Design](#),  
[PRIMENG](#), [Angular Material](#),  
[Bootstrap v4](#), [Bootstrap](#)  
[JavaScript](#), [Tailwind CSS](#),  
[Charts.js](#), and [ECharts](#)

**Backend**

[.NET Core](#), [SQL](#), [PostgreSQL](#),  
[Microsoft SQL Server](#), [REDIS](#)  
[Caching](#), [CRUD API](#), [Linq](#),  
[Entity Framework](#)

## Software Engineer at [CLOUD PLUS PTE LTD](#) — Singapore, Tai Seng

MARCH 2022 — SEPTEMBER 2023

Overview: Specializing in healthcare and enterprise technology, I modernized legacy systems and streamlined operations. Participate in a team to transformation of hospital systems across Singapore into a unified platform, and upgraded JABIL 3.0 to enhance global supply chain management with real-time tracking and seamless supplier integration.

### Dental Hospital System Responsibilities:

- **Legacy System Modernization:** Working with team to re-engineering of a legacy hospital system from Windows to a modern web application, consolidating processes across four major hospitals in Singapore into a unified platform to improve functionality, scalability, and user experience.
- **Data Harmonization:** Revised and harmonized the data flow across four hospital systems, designing ERD diagrams to ensure consistency and smooth migration. Collaborated to create a unified ERD, minimizing conflicts and ensuring seamless integration across all platforms.
- **Seamless Front-End/Back-End Integration:** Integrated front-end and back-end components using UmiJS, leveraging its routing and plugin system to optimize data flow, enhance scalability, and improve overall system performance.
- **RESTful API Development:** Designed and developed robust RESTful APIs, utilizing LINQ for efficient data retrieval, ensuring high-performance querying and seamless data integration across the system.
- **Tech Stack:** [.NET Core](#), [UmiJS](#), [React JS](#), [SQL](#), [Ant Design](#), [Bootstrap](#) [JavaScript](#), [Microsoft SQL Server](#), [PowerShell](#).

### Jabil Supplier Management System Responsibilities:

- **System Enhancement:** Contributed to enhancing the Jabil Supplier Management system by adding new features aimed at improving overall functionality, efficiency, and user experience.
- **Continent-Based Data Tracking:** Assisted in designing and implementing a continent-based data tracking system, enabling better global data monitoring and interactive visibility across the supply chain.
- **MVP Architecture Integration:** Collaborated in integrating the Model-View-Presenter (MVP) architecture with Angular, improving system maintainability and scalability for future enhancements.
- **OAuth Cloud-Based Authentication:** Supported the implementation of an OAuth cloud-based authentication method, helping mitigate credential theft risks and ensuring compliance with data protection regulations.
- **Tech Stack:** [Angular](#), [TypeScript](#), [MVP](#), [PrimeNG](#), [Bootstrap v4](#), [PostgreSQL](#), [ECharts](#)

## Others Tools & Technologies

[React](#) [Redux](#), [PowerShell](#), [MVC](#) [MVP](#), [Postman](#), [CI/CD](#) [Pipeline](#), [Agile Methodology](#), [Docker](#), [GitHub](#), [GitLab](#), [Azure](#) [DevOps](#)

## Languages

Chinese

English

Malay

## Education

Information Technology  
majoring in Security  
Technology at  
Multimedia University,  
Malacca

JUNE 2016 — SEPT 2019

CGPA: 2.8

## Hobbies

In my free time, I enjoy staying updated on the latest IT news and exploring new technologies, regularly playing basketball, badminton, and running to maintain physical fitness.

## Key Strengths

I am [diligent](#), [innovative](#), and [eager to learn](#). I value [honesty](#), [perseverance](#), and a [strong work ethic](#). I'm [self-motivated](#), [dedicated](#), and [committed](#) to delivering high-quality results.

## Senior Frontend Developer at [MOABI PLT](#) — Malaysia, Melaka

MARCH 2021 — FEBRUARY 2022

Overview: Contributed to the API development for a diverse product suite, ensuring alignment with business goals and adherence to high technical standards. Worked closely with the development team to plan strategies and deliver high-quality web and mobile applications on time, focusing on frontend development.

Condo Management Responsibilities:

- **UI/UX Design & Implementation:** Conducted research on frontend design trends and user feedback, planning and implementing feature enhancements to improve user experience.
- **Frontend Development:** Focused on accelerating mobile app development, working closely with the backend team to address resource challenges and ensure seamless frontend integration.
- **Performance Optimization:** Enhanced system performance by optimizing frontend code, improving responsiveness and load times.
- **API Integration:** Integrated backend APIs into the frontend, ensuring smooth communication between the user interface and the server.
- **Testing & Debugging:** Performed thorough testing to ensure the frontend was bug-free, functional, and aligned with design requirements.
- **Tech Stack:** [Angular](#), [TypeScript](#), [Bootstrap v4](#), [Angular Material](#), [ECharts](#).

## Frontend Developer at [LINKDOOD TECHNOLOGY SDN BHD](#) — Malaysia, Melaka

MARCH 2019 — FEBRUARY 2021

Overview: Collaborated with a team to enhance an e-commerce platform and device control systems by separating the backend and frontend solutions. Managed the project end-to-end, focusing on new feature development, system integration, and client satisfaction.

E-Commerce Platform Responsibilities:

- **System Interaction & Revision:** Worked on revising and interacting with the existing system, ensuring smooth transitions and updates.
- **UI/UX Implementation:** Followed design guidelines for each page, button interaction, and colour schemes to maintain consistent user experience.
- **API Integration:** Integrated provided APIs into each page, ensuring seamless data flow and functionality.
- **Testing & Bug Fixing:** Conducted thorough testing to identify and resolve bugs, ensuring a smooth and bug-free user experience.
- **Tech Stack:** [Angular](#), [TypeScript](#), [Bootstrap v4](#), [Angular Material](#), [Charts.js](#)

International Collaboration:

- **Collaboration with China:** Worked closely with China-based team to ensure alignment with their original e-commerce platform. Regularly updated the UI to reflect any changes made on their end, ensuring consistency before replacing the old system.