JABIN CHEN
software engineer

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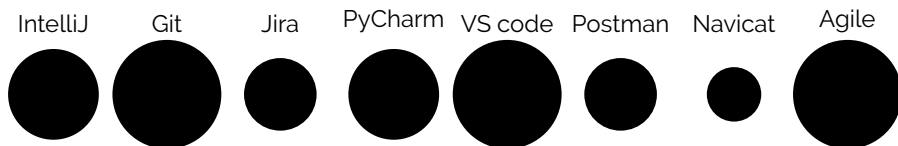
Personal Web

github.com/Jabin0214

@Jabin

WHO AM I?

Hi, I'm Jabin Chen — a Master's graduate from the University of Auckland and a passionate developer who enjoys building impactful tech solutions. With hands-on experience in JavaScript, C#, and Python, I've developed full-stack applications using frameworks such as React, ASP.NET Core, and Node.js.

Driven by creativity and curiosity, I'm especially interested in how emerging technologies — particularly AI and cloud computing — can enhance user experiences and address real-world challenges. I'm always open to meaningful conversations about innovation and the future of technology.

[JS,TS] React

[C#, .NET] ASP.Net, .NET Core, .NET MVC

[Java] SpringBoot

[Mobile Dev] Swift

[Database] MySQL, SQL Server, MongoDB

[Cloud] Docker, AWS, Azure

[ML] Pandas, NumPy, Scikit-learn

IntelliJ Git Jira PyCharm VS code Postman Navicat Agile

EXPERIENCE

07/2024-12/2024
Intern Program
Auckland

Full Stack Developer
FRW Healthcare Limited & ICT graduate school

Designed and developed an AI-powered medication purchasing platform that utilizes advanced image recognition to automate data extraction from product images, significantly enhancing pharmacy workflow efficiency.

- Developed cross-platform UI using **Swift** (iOS) and **React.js** (Web), and built scalable **RESTful APIs** with **Java Spring Boot**, enhancing user experience and backend integration efficiency.

- Containerized applications with **Docker** and deployed on **AWS** using **Nginx** for load balancing; implemented **CI/CD pipelines** to streamline automated delivery and improve system reliability.

- Practiced **Agile methodology** across the development lifecycle—led daily stand-ups, sprint planning, reviews, and retrospectives—collaborating with stakeholders to refine requirements and prioritize the backlog for continuous delivery.

- Boosted pharmacy workflow efficiency by **40%** through AI-powered automation, optimized frontend usability, and improved system concurrency via strategic performance tuning.

```
React.js / Swift / Spring Boot / OpenAI API / Docker / AWS / Nginx /
MySQL
```

02/2023-12/2024
contract
Auckland

Teaching Assistant
The University of Auckland

Evaluated and marked assignments for computer science courses, specifically *Principles of Programming*, *Introduction to Software Fundamentals* and *Computer Organisation*, maintaining high academic standards.

- Provided teaching assistance to faculty, enriching the learning environment with additional support.

- Provided detailed feedback to students, enhancing their academic understanding and problem-solving skills.

```
Python / Java / C / Git / VS Code / Linux Shell
```

| 7/2023-11/2023 | **Full Stack Web Developer** | **Musichat** |
| Team Project
Auckland | | |

Built an AI-integrated music web application that allows users to stream songs and chat with an AI companion based on mood and music preferences.

- Developed a full-stack web app using the **MERN stack**, integrating the **Spotify API** for music playback and the **OpenAI API** for conversational interaction. Created scalable RESTful APIs with **Node.js/Express.js** and a responsive frontend using **React.js** and **Redux**.
- Implemented real-time chat and review features via **Socket.IO**, and optimized **MongoDB** with query tuning and indexing to support high concurrency. Managed development in an **Agile** environment using Trello for sprint planning and task tracking.

```
React.js / Node.js / Express.js / MongoDB / Redux / Socket.IO
```

| 01/2025 – Present | **Full Stack Web Developer** | **AI Financial Platform** |
| Personal Project | | |

Developed a full-stack platform for stock portfolio management, financial news aggregation, and AI-generated podcast delivery.

- Built a responsive frontend using **React** and **Tailwind CSS**, with form validation via `react-hook-form` and `yup`. Implemented secure routing using context-based authentication and React Router.
- Designed and implemented layered **RESTful APIs** with **ASP.NET Core** and **EF Core**, applying repository/service patterns, **JWT authentication**, and data validation for robust backend services.
- Integrated **DeepSeek** and **NewsAPI** to generate personalized financial summaries, and used **Azure TTS** to convert them into real-time podcasts. Built a user comment system with real-time validation and clean UX.
- Containerized services with **Docker**, deployed to **Azure App Service**, and implemented CI/CD using **GitHub Actions**. Managed secrets and configs via **Azure App Configuration**.

```
React(TypeScript) / ASP.NET Core / Entity Framework Core / SQL Server / Azure
/ DeepSeek API
```

| 6/2023 | **Display Only Web App Developer** | **Danone Nutricia** |
| Virtual Micro-internship
Auckland & Remote | | |

One-month internship program organized by the University of Auckland, developing a "Display Only" microsystem to digitize shop floor document management.

- Built a responsive frontend with `React.js` and designed user flows using `Figma`.
- Developed RESTful APIs with `Python Flask` to retrieve and serve production order PDFs.

```
React.js / Python / Flask / Figma / HTML/CSS
```

EDUCATION

| 07/2023-12/2024 | **Master of Information Technology [First Class Honours]** | **University of Auckland** |

| 07/2020-07/2023 | **Bachelor of Science** | **University of Auckland** |

Major in Computer Science

LANGUAGES
English
Mandarin-Chinese

HOBBIES

Passionate about exploration. I enjoy discovering new places through travel and outdoor adventures. In New Zealand, I've completed hikes across iconic trails such as Tongariro Alpine Crossing, Mount Taranaki, and Aoraki/Mount Cook — experiences that reflect my perseverance, curiosity, and love for nature.

REFERENCES

References available upon request