

REN-HO(Jeremy) TSAI

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SUMMARY

Backend Engineer with expertise in developing and integrating RESTful APIs, optimizing database performance, and managing AWS infrastructure. Proficient in C#, MSSQL, and modular coding practices. Experienced in Agile development, delivering high-quality, maintainable code.

HIGHLIGHT OF QUALIFICATIONS

- Agile development experience.
- RESTful API
- JavaScript
- C#
- React Native
- Azure
- AWS
- Next.Js

TECHNICAL SKILLS

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|----------------------|--|
| Programming: | JavaScript, Swift, Kotlin, C# |
| Web: | HTML5, CSS3, Node.js, Express.js, Nest.js, Next.js |
| Database Management: | MSSQL, MongoDB, Firebase, Postgres |
| Cloud Computing: | Azure, AWS, Microsoft 365 |

EDUCATION

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|---|---|
| Mobile Applic. Dev. & Strategy Postgrad Certificate | September 2023 – August 2024 |
| George Brown College Toronto, ON | |
| <ul style="list-style-type: none">Mobile App Development for iOS and AndroidReact Native | <ul style="list-style-type: none">Kotlin and Swift Programming LanguagesClient-Side Development ToolsServer-Side Programming Concepts |
| Cloud Computing Technologies Certificate | September 2024 – August 2025 |
| George Brown College Toronto, ON | |
| <ul style="list-style-type: none">Microsoft 365Azure | <ul style="list-style-type: none">AWS |

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|---|------------|
| Academic Project | |
| Car Rent Application | March 2024 |
| George Brown College Toronto, ON | |
| <ul style="list-style-type: none">Developed a responsive and intuitive mobile interface using React Native, enhancing the user experience with a smooth and seamless car rental booking process.Integrated Firebase for real-time data synchronization, enabling dynamic updates for vehicle availability, user bookings, and instant notifications.Implemented Firebase Authentication for secure user sign-ins and Firebase Firestore for efficient data management, ensuring a reliable and scalable backend solution. | |

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| Individual projects | |
| Personal Portfolio | May 2024 |
| <ul style="list-style-type: none">Developed a responsive and modern web interface using React and Tailwind CSS, ensuring an engaging and intuitive user experience.Implemented interactive features and animations with TypeScript and Framer Motion, enhancing visual appeal and user interaction. | |

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- Integrated Postgres DB for robust data management and hosted the project on Vercel for reliable performance and scalability.
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PROFESSIONAL EXPERIENCE

Backend Engineer

April 2021 - August 2023

Collaborate Technology | Taipei, Taiwan

- Orchestrated the integration of RESTful APIs with third-party payment systems
- Implemented robust logging mechanisms to meticulously record payment transactions, facilitating streamlined bug identification and resolution through effective log analysis.
- Managed and executed intricate MSSQL operations, optimizing database performance and query execution.

Software Engineer

November 2020 – April 2021

Harmonation Inc. | Taipei, Taiwan

- Enhanced user interface efficiency and reduced transaction processing time by tailoring Windows applications for banking, resulting in increased customer satisfaction.
- Utilized C# to communicate with MSSQL databases, enhancing data retrieval and storage capabilities, and implemented optimized queries to improve database response times.