

# Jasper Teo

## Web-Oriented Software Engineer

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Enthusiastic Developer looking for challenging and exciting Web Development and Full Stack Engineering roles. I love tinkering with emerging web technologies and frameworks to develop forward-thinking solutions that meet evolving demands.

### Projects

[SheTreks](#) | 03/2024

- Full Stack Progressive Web App to provide solo female travelers with a safe platform to socialize and host activities together
- Implemented form validation and submission, authentication, user profiles, notifications, user interactions such as making friends and joining events
- Built server with Bun, Hono and used PostgreSQL as relational database

[Watch Out](#) | 02/2024

- App where users can sell, buy and bid for watches
- Implemented live bidding feature using Socket.io to broadcast latest bids and integrated Stripe as payment option
- Built server with Node, Express and used PostgreSQL as relational database

[SG Buddy](#) | 01/2024

- Provide tourists in Singapore recommendations such as food, attractions etc.
- Implemented geolocation API and tourism API to generate recommendations based on proximity and categories
- Used Firebase for NoSQL database, authentication and storage

### Education

[Rocket Academy](#)

Software Engineering, 2024

[Nanyang Technological University](#)

Bachelor of Engineering (Mechanical Engineering, Design) with Minor in Public Policy and Global Affairs, 2021

### Experience

Technical Consultant at DNV | 01/2020 - 05/2020

- Provided strategic research data and advisory on AI and IoT solutions in the maritime industry
- Analyzed models to enhance trust among stakeholders within the data value chain, leading to new opportunities
- Assisted in management of consultancy projects with regards to autonomous vessels and digital transformation
- Conducted research and innovation activities for clients in the maritime sector, leveraging on the latest trends in digitalization, automation and analytics

### Skills

Languages: TypeScript, JavaScript, Python, C, C++

Frameworks: Astro, Next.js, React.js, Solid.js, Hono

Databases: PostgreSQL, SQLite, Redis, Firebase