

# JACK CHU

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## SOFTWARE ENGINEER

### EDUCATION

University of Auckland | Bachelor of Engineering (Hons.)

Mar 2019 - Nov 2022

### PROJECTS

#### Personal Website | React, TypeScript

- Developed a personal website optimizing for performance and minimal JavaScript runtime.
- Styled the UI with **TailwindCSS**, ensuring a clean, utility-first design system.
- Deployed the site via **GitHub Pages**, showcasing continuous deployment practices through Git-based workflows.

#### 'Tetris' Recreation | Java, Swing, Aseprite

- Simple rendition of 'Tetris' in Java using **transposing algorithms**.
- Frontend was created using **Java Swing** libraries and custom sprites with Aseprite.

### WORK EXPERIENCE

#### Software Engineer | Clearhead

Nov 2021 - Apr 2025

- Completed a **12-week internship** as a **full stack engineer**, followed by part-time work throughout 2022 while completing final year of study with **graduate-level responsibilities**.
- Returned as a full-time **Graduate in 2023**, promoted to **Junior Software Engineer in 2024**.
- Collaborated in an **agile environment**, participating in weekly cycles and daily standups.
- Developed and maintained responsive and robust web pages using **TailwindCSS**.
- Designed and developed new **RestAPI endpoints** across multiple backend repositories.
- Wrote frontend **integration and E2E tests** using **Cypress**, deployed using **GitHub Actions**.
- Built a **UI Component Library** with **Storybook** integration
  - Created, migrated, refactored components for consistency across multiple repositories.
  - Storybook used for documentation, improved testing, and streamlined UI visualisation.
- Developed an **internal tool that increased productivity** for non-technical team members.
  - Designed a UI supporting **CRUD operations** with advanced search / filter functionalities.
  - Utilised **Zustand** for global state management, **drizzleORM** for database interactions.
  - Leveraged **Next/UI** to accelerate component development and improve consistency.
- Continuously resolved bugs and implemented UI enhancements based on user feedback.
- Tech stack: **React, Next.js, TypeScript, Java**, and more.

### TECHNICAL SKILLS

- |               |             |                  |              |
|---------------|-------------|------------------|--------------|
| • JavaScript  | • HTML      | • Java           | • SQL        |
| • TypeScript  | • CSS       | • Node.js        | • PostgreSQL |
| • React       | • Storybook | • RestAPIs       | • DBeaver    |
| • Next.js     | • Cypress   | • Git            | • DrizzleORM |
| • Next/UI     | • Zustand   | • GitHub Actions |              |
| • TailwindCSS |             |                  |              |

References available upon request