

# Jonathan Lee

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## Education

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### Bachelor of Economics/Computer Science

University of New South Wales

## Experience

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### Software Engineer

Feb 2024 - Current

Westpac

- Contributed to the development of micro frontends and customer notification initiatives using **Java** and **React**, leading to a 20% increase in user engagement and improved communication efficiency.
- Accelerated XML file upload speed by 20% for Westpac payment processing by implementing an **event-driven architecture** using **Kafka** and **Spring Boot**, enabling asynchronous handling and improved system scalability.
- Employed **Bitbucket** for version control, **Confluence** for documentation and **Jira** for project management to develop and deploy APIs for the St George Website.

### Software Engineer Intern

Dec 2022 – June 2023

Frontend Simplified

- Transformed a completely static **HTML**, **CSS**, **JavaScript** and **React** single page application into an interactive user interface using animations, transitions and carousels.
- Processed API requests with **Axios** to dynamically represent data from a cloud server and represented it through skeleton loading states, pagination and dynamic routing.
- Utilised **Git** version control and **GitHub** to fix merge conflicts and work alongside 10 other interns.

## Projects

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### NFT Marketplace | [Website](#) | [GitHub](#)

- Parses information from an API and maps information for users to access popular NFTs.
- Uses **React** for dynamic routing, skeleton loaders and lazy load components to improve webpage performance and provide a more immersive user experience.

### Twitter Clone | [Website](#) | [GitHub](#)

- Utilised Google sign-in using **NextAuth.JS** to render user's name, tag and profile picture on tweets
- Built a responsive social media app with **TypeScript**, **Tailwind CSS**, and **Firebase** for user data storage.

### Ecommerce Library | [Website](#) | [GitHub](#)

- Designed and developed the site using **React.js (+hooks)** and **CSS3 (+BEM)**
- Improved website performance by **compressing**, **caching**, and **lazy loading** images and components.
- Included **SEO**, **responsive**, **multi-platform**, and **skeleton loading states** to improve user experience.

## Technical Skills

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**Languages:** HTML5 | CSS3 (+ SCSS, BEM) | JavaScript ES6+ | Typescript

**Frameworks:** React (+ hooks) | Next.js | Material-UI | Redux

**Technology:** NPM | Git | Yarn | React dev tools | Firebase v9 | GitHub

## Campus & Volunteer Involvement

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### UNSW Personal Finance Club (PFC) [IT Portfolio](#) (2021)

- Created and maintained PFC's first website with **HTML**, **CSS** and **JavaScript** to improve design and user interface.
- Runner-up in **UMCG Internal Case Competition**, for pitching an interactive app to make mental health more accessible.