

Sean Tan

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SUMMARY

Junior software developer with experience in front end and full-stack web development. Comprehensive knowledge of software engineering principles, computer programming languages, and software development lifecycles.

EDUCATION

Bachelor of Science in Computing and Software Systems

University of Melbourne • Melbourne, VIC • 2022

Cambridge A-Levels

Sunway College • Malaysia • 2018

IGCSE O-Levels

Maz International • Petaling Jaya, Malaysia • 2016

EXPERIENCE

Production Admin Assistant / Software Developer

Fuchs Lubricants Australasia

August 2022 - Present, Melbourne, Australia

- Processed production-related purchase requisitions, purchase orders and invoices, by using an ERP (SAP) to fill production needs.
- Created a web-based dashboard to analyse samples from the laboratory, the dashboard was built on React, Next.js and MongoDB.
- Worked with company stakeholders, such as the national laboratory manager, lab chemists, and consultants to build a dashboard (built in ReactJS, Typescript/Javascript) to generate reports in real-time, reducing the amount of administrative work from hours to seconds.

IT Intern

F-Secure Corporation

December 2020 - June 2021, Kuala Lumpur, Malaysia

- Provided IT support services, troubleshooting and software licenses to stakeholders.
- Resolved over 100 helpdesk tickets and consistently achieving team KPIs.
- Gained proficiency in Jira service management tools, such as service desk and asset management.

SKILLS

Languages: JavaScript, TypeScript, HTML5, CSS3, C, C#, Python, Java, Haskell, SQL, Dart

Web Development & Frameworks: React.js, Next.js, Node.js, Three.js, Express, Prisma, MongoDB, PostgreSQL, MySQL, Supabase, Firebase, MaterialUI, Tailwind CSS

Other skills: Software Testing, UI design, UX design, REST API principles, CRUD API principles, SEO, ERP software proficiency, Microsoft Office proficiency, IT support

PROJECTS

Data Analytics Dashboard

Fuchs Lubricants Australasia • <https://fuchs-dashboard.netlify.app/> • December 2022 - Present

- Created a data dashboard to support data visualization and interpretation of a laboratory sample by manipulating data using Typescript, and creating a dashboard to display visualisations with Chart.js.
- Utilized technologies such as Typescript, React.js/Next.js, and various third-party libraries for data processing and dashboard development.
- Collaborated with stakeholders to understand their needs and adjusted the dashboard accordingly.

Carob Gold

<https://carob.gold> • September 2023 - November 2023

- Developed a robust web application for a gold business using React, TypeScript, and Firebase. The primary function of the website is to display current gold rates, providing customers with real-time pricing information.
- The website also includes an educational section with articles about gold and the gold market. Each article page is dynamically generated with SEO-optimized metadata.
- Implemented a custom CMS with rich-text, image and animation upload functionality for enriching article content, with media stored in Firebase Storage.
- Utilized tRPC for efficient client-server communication and data retrieval.
- The website is designed with a modern, user-friendly interface and is fully responsive for optimal viewing on any device.

PantryPal (Weight Loss / Recipe App)

<https://stately-souffle-9a2686.netlify.app/> • August 2022 – September 2023

- Developed a meal planner application that allows users to retrieve food recipes, plan their meals while keeping track of their calorie intake.
- The application allows users to search for recipes based on ingredients. The application features include an autocomplete search functionality that fetches matching foods from an API as the user types their query, and a detailed view of recipes that match the user's ingredients.
- The application features include adding meals to a planner, removing meals from the planner, and notifying the user when their target calories are exceeded.

Photo Gallery App

University Of Melbourne • <https://github.com/water-bottle-it-project/personal-registry-app> • July 2022 – November 2022

Diabetes Management App

University Of Melbourne • <https://github.com/seantanys/Diabetes-Management-Web-Application> • March 2022 – June 2022

COURSEWORK

Information Security

University of Melbourne • 2022

Artificial Intelligence

2022 • Teamwork and Software Algorithms

Computer Systems (Operating systems and computer networking)

University of Melbourne • 2022

Data Structures and Algorithms

University of Melbourne • 2021

Software Design and Modelling

University of Melbourne • 2021

Graphics and Interaction

University of Melbourne • 2021 • Game Development, C# Programming

Database Systems

University of Melbourne • 2020
