

Aron Teh

Software Engineer

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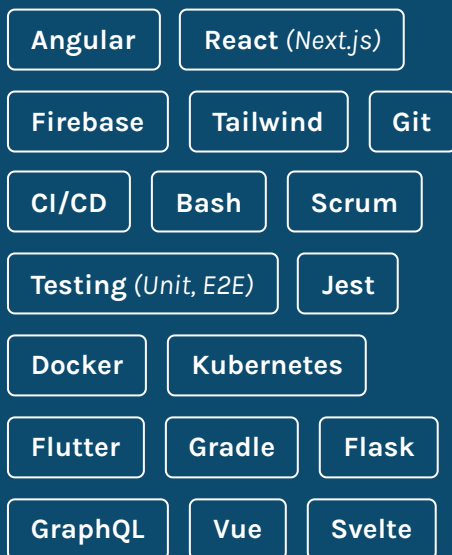
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Exceptionally fast learner, self-taught from first line of code to securing a full time software engineering role in less than 4 months. Particularly interested in frontend web and cross-platform development.

Technologies and languages listed in decreasing order of proficiency

Skills and Technologies



Programming Languages



Languages

English (Native Proficiency)
Chinese (Native Proficiency)
Spanish (Beginner)
Cantonese (Beginner)

Professional Experience

THG

Software Engineer

Sep 2021 – present | United Kingdom

- Developing and maintaining an Angular component library and Java backend to be used by multiple internal teams, while confidently handling challenging and dynamic BAU tasks.
- Collaborated effectively with UX designers to build Angular UIs for a content management system used by over 100 clients.
- Successfully performed an end-to-end customer profile SQL database migration for a recent company acquisition.

Education

Imperial College London

Aeronautical Engineering (MEng, Master of Engineering)

Sep 2017 – Jun 2021 | London, United Kingdom

Masters Thesis: Explored and built a parallel solver for sparse conic optimisation problems using the Alternating Direction Method of Multipliers.

Notable Modules: High Performance Computing, Mathematics, Numerical Analysis, Optimisation, Control Systems, Introduction to Computing, Computational Aerodynamics.

Technical Personal Projects

SkyStory

Angular, Firebase, Tailwind, Angular Material, Axios, RxJS, PWA

- Dynamically themed responsive progressive web app (PWA) where users can query live and forecast weather information.
- Utilises a third-party API service to retrieve weather data.
- Integrated Firebase authentication and Firestore database automatically saves past queries for authenticated users.

TurboFile

React (Next), TypeScript, Firebase, Tailwind, Material UI, Jest, Puppeteer

- Responsive web application enabling users to easily and efficiently upload and share files within seconds.
- Additional features to view, download and manage uploaded files are made available to Google authenticated users.

NanoNote

Angular, TypeScript, Firebase, Tailwind, Angular Material

- Lightweight and responsive web application for managing simple notes, integrated with Firebase authentication.
- Users can create, update, sort and categorise unlimited sticky notes in an intuitive, minimalistic and dark-theme-enabled UI.

Online Chat Application

React, TypeScript, Python, Flask, SQLite, Material UI

- Simplistic single-room chat application where users connect with a username and chat with others, hosted using GitHub Pages with a backend SQL database deployed with Heroku.

Travelling Salesman Problem Visualiser

Angular, TypeScript, Angular Material

- Interactive visualisation of various heuristic and brute force algorithms for solving the Travelling Salesman Problem.

Interests

Chess

- Youngest ever Malaysia National Chess Champion (2013)
- FIDE Master (Lifetime International Title Invented)
- World Chess Olympiad Participant (Norway 2014)
- President of Imperial College Chess Club (2018-2019)