

Aron Teh

Software Engineer

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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

Angular

React (Next)

Git

Firebase

Tailwind

CI/CD

Bash

Scrum

Docker

Kubernetes

Testing (Unit, E2E)

Jest

Flutter

Gradle

Flask

GraphQL

Vue

Svelte

Programming Languages

HTML

CSS (Sass, Less)

JavaScript

Typescript

Python

SQL

Java

MATLAB

Dart

R

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.
- Collaborating with UX designers to build Angular UIs for a content management system used by over 90 company clients.
- Performed an end-to-end customer profile SQL database migration for a recent company acquisition.
- Developed GraphQL APIs for THG's e-commerce platform.

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.

Concordia International School Shanghai

High School Diploma and Advanced Placement (AP) Examinations

Aug 2013 – Jun 2017 | Shanghai, China

Technical Personal Projects

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.

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.

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.

Quiz App

Flutter, Dart, Firebase

- Cross-platform application with multiple interactive quizzes. Authenticated users can view and manage their quiz progress.

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)