Aron Teh

Software Engineer

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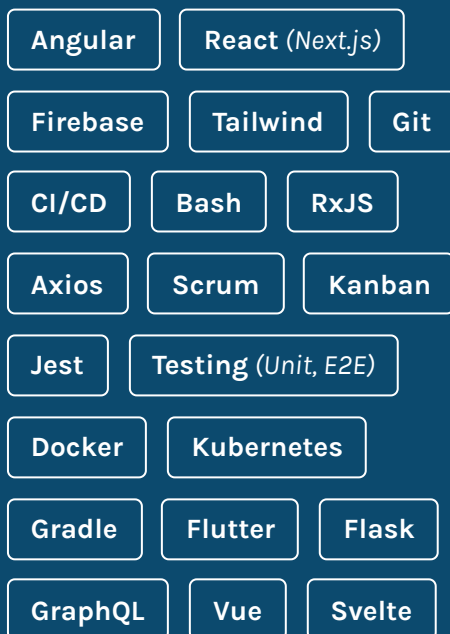- linkedin.com/in/aronteh
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Exceptionally fast learner, self-taught from first line of code to securing a full time software engineering role in less than 4 months. Particularly interested in frontend web and cross-platform development.

Technologies and languages listed in decreasing order of proficiency

⊗ Skills and Technologies

Angular	React (*Next.js*)

| Firebase | Tailwind | Git |

| CI/CD | Bash | RxJS |

| Axios | Scrum | Kanban |

| Jest | Testing (*Unit, E2E*) |

| Docker | Kubernetes |

| Gradle | Flutter | 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)

💼 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
Master's 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.

NanoNote ↗
Angular, 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.js), 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.

♟ 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)