

TAN YONG KUAN

yongkuan94@gmail.com

+65 8121 0628

www.linkedin.com/in/tanyongkuan

<https://github.com/tanyongkuan>

<https://yongkuan.netlify.app/>

PROFESSIONAL SUMMARY

Adaptable and results-driven Software Engineer with a strong focus on frontend development. Proven ability to lead teams, implement robust solutions, and improve code quality. Experienced in utilizing cutting-edge technologies to enhance user experiences and streamline processes.

WORK EXPERIENCE

SecureAge Technology

Singapore

Software Engineer (Frontend)

Dec 2020 – Current

- Led the implementation of dashboard feature within a SCRUM team of 11 members as a SCRUM Master
- Orchestrated the maintenance of the component library of 50 reusable components and common utility functions, integrating Storybook for streamlined development and improved collaboration
- Successfully introduced Typescript across all existing projects, reducing code review bugs findings by 15% and enhancing production stability
- Implemented Zod, a powerful TypeScript library, cutting down duplicative type declarations by 50%, resulting in improved code maintainability and time savings.
- Leveraged CSS preprocessors to implement a dark theme option, enhancing accessibility and usability for hundreds of users
- Spearheaded intern candidate evaluation, interviewing and assessing technical and communication skills to make informed hiring decisions

Defence Science and Technology Agency (DSTA)

Singapore

Engineer

Jan 2020 – Dec 2020

- Strengthened vendor relationships and communication, resulting in improved alignment on project objectives and timelines
- Provided valuable technical insights through design thinking to enhance user experiences for daily operations

EDUCATION

Nanyang Technological University

Singapore

Bachelor of Engineering (Computer Science) with Distinction

Aug 2016 – Dec 2019

- Double specializations in Data Science & Analytics and Artificial Intelligence
- School of Computer Engineering Club Events Associate

Nanyang Polytechnic

Singapore

Diploma with Merit in Information Technology

Apr 2011 – Apr 2014

- Specialization in Geospatial and Mobile Innovation

SKILLS

Programming Languages:

Typescript, Javascript, HTML, CSS, SCSS, Java

Development/Frameworks:

VueJS, Quasar, Pinia, React, Tailwind CSS, Jest, GatsbyJS, NextJS, Material UI, styled-components

Applications/Extensions:

Visual Studio Code, Vite, Webpack, VueI18N, TortoiseSVN, Github, Prettier, ESLint, Tomcat Server

Project Management Tools:

JIRA, Slack, Confluence

Operating Systems:

Windows, Linux

CERTIFICATION

Certified ScrumMaster (CSM) - Apr 2023

NICF – Project Management for IT - Sep 2018