

# TAN YONG KUAN

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<https://github.com/tanyongkuan>

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

## WORK EXPERIENCE

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### SecureAge Technology

Singapore

#### Software Engineer (Frontend)

Dec 2020 – Current

- Lead the implementation of dashboard features for a web portal while working closely with a SCRUM team consisting of 11 members as a SCRUM Master
- Maintain a component library of 50 reusable components and common utility functions, ensuring code reusability and consistency across all projects
- Introduce Typescript in the component library and multiple frontend projects, resulted in a 15% decrease in the number of bugs found in code reviews and production
- Research and implement Zod, a powerful TypeScript library, reducing the number of duplicative type declarations and validations by 50%, resulting in significant time savings and improved code maintainability
- Arrange interviews with intern candidates and effectively evaluating their technical and communication skills to make informed hiring decisions
- Perform code reviews for multiple projects, resulting in a 35% reduction in the number of bugs found in production
- Utilize CSS preprocessor to apply the dark theme option for existing portals, improving accessibility and usability for hundreds of users

### Defence Science and Technology Agency (DSTA)

Singapore

#### Engineer

Jan 2020 – Dec 2020

- Facilitated vendor relationships and communication, resulting in improved alignment on project goals and timelines
- Offered technical expertise through design thinking to improve user's experience on their daily operation needs

## EDUCATION

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### 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

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#### Programming Languages:

Typescript, Javascript, HTML, CSS, SCSS, Java

#### Development/Frameworks:

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

#### Applications/Extensions:

Visual Studio Code, TortoiseSVN, Github, Prettier, ESLint

#### Project Management Tools:

JIRA, Slack

#### Operating Systems:

Windows, Linux

## CERTIFICATION

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Certified ScrumMaster (CSM) - Apr 2023

NICF – Project Management for IT - Sep 2018