

TAN YONG KUAN

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PROFESSIONAL SUMMARY

Experienced Senior Frontend Software Engineer specializing in building high-performance, scalable UIs for cybersecurity agencies and enterprise solutions. Proven leadership in managing both in-house and outsourced teams, with a strong focus on optimizing frontend architecture and enhancing user experience through collaboration with UX designers. Expertise in TypeScript, component-based development, and Tailwind CSS, with a track record of successfully upgrading legacy libraries and implementing cutting-edge solutions. Passionate about leveraging innovative tools to improve workflow and deliver secure, responsive applications in fast-paced environments.

WORK EXPERIENCE

SecureAge Technology

Singapore

Senior Software Engineer (Frontend)

Oct 2023 – Current

- Leading a team of 2 in-house engineers while overseeing outsourced developers for a zero-trust network project focused on enterprise clients.
- Spearheading the upgrade of the existing component library from Quasar to a custom-built solution using Tailwind CSS, collaborating with the UX manager to ensure optimal user experience and performance
- Integrated AI-assisted tools like ChatGPT, Claude, and Cursor to streamline workflows, enhance productivity, and accelerate development for the team
- Driving frontend architecture improvements, optimizing scalability, and ensuring code quality across projects

SecureAge Technology

Singapore

Software Engineer (Frontend)

Dec 2020 – Sep 2023

- Led the implementation of dashboard management portal within a SCRUM team of 11 members as a SCRUM Master
- Managed a component library with 50 reusable components and utility functions, incorporating Storybook for efficient collaboration
- Successfully introduced TypeScript and Zod across all projects, reducing code review bugs by 15%, cutting duplicative type declarations by 50%, and improving production stability and maintainability
- Leveraged CSS preprocessors to implement a dark theme, enhancing accessibility for hundreds of users
- Led intern candidate evaluations, assessing technical skills and making informed hiring decisions

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

SKILLS

Programming Languages:

Typescript, Javascript, HTML, CSS, SCSS, Java

Development/Frameworks:

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

Applications/Extensions:

Cursor, Visual Studio Code, Vite, Webpack, I18Next, TortoiseSVN, Drizzle, Github, Prettier, ESLint, Tomcat Server, Figma

Project Management Tools:

JIRA, Slack, Confluence

Operating Systems:

Windows, Linux

CERTIFICATION

Certified ScrumMaster (CSM) - Apr 2023

NICF – Project Management for IT - Sep 2018