Raphael Tan

Software Engineer

contact

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online

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languages

English
Chinese(Basic)

programming

Ruby
Javascript
Python(Learning)
Elixir(Learning)
Rust(Learning)
Java
HTML

misc

Git

hobbies

Narratives
Video Games
Anime
Model-building

about me

A regular joe that likes creating things of value using software/technology, and learning how to be better at it

experience

2014 - — **Associate Software Engineer** — Government Digital Services, GovTech
Business Grants Portal
- Developed the BGP frontend site using Ruby on Rails and React.js
- Continuously refactor and improve codebase to improve code reliability and performance
- Advocate the proper practice of Test-Driven Development to reduce the number of bugs present in the codebase
- Created continuous integration related tools that would alert the development team when build failures are detected

govBuy
- Launched govBuy as an initiative for government agencies to procure work and services in a simpler, more effective way

2008 — **Intern** — Institute for Infocomm Research
IPTV Research Project
- Collaborated with a senior researcher to develop a robust IPTV system that automatically records, archives and sorts out television programs from local broadcast channels

2008 — **Intern** — Queensland University of Technology
Virtual Machine Management Tool
- Built a Virtual Machine management tool using VMware ESX to aid senior fellows in quickly deploying virtual machines for network security analysis

education

2014 — **B.E.** in Computer Science — Nanyang Technological University

2009 — **Dip.** in Cyber and Digital Security — Temasek Polytechnic

certifications

2014 - 2016 — **Certified Scrum Developer** — Scrum Alliance