

Si Kai NG

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Ruby on Rails, Java, Python, PostgreSQL, Heroku, AWS, JavaScript, Ember.js, Linux, Git

Professional Experience

TradeGecko, Software Engineer, Singapore

Jul 2018 – Present

- Collaborated closely with Product Managers and Designers to ship multiple performant and maintainable features across the product offering.
- Re-architected user on-boarding flow, leading to 15% reduction in average platform set-up time, and created data pipelines from sign-up UI to Hubspot and Salesforce, providing revenue teams with customer profile data for user analytics.
- Championed internal Backend Chapter meetings to tackle flaky tests and testing infrastructure upgrades, improving developer productivity and decreasing time taken to ship code to customer.
- Grew capabilities of downstream reporting applications to provide additional value and increase stickiness for existing users. Identified performance bottlenecks in report generation API, reducing session load on DB by a factor of 3.

GovTech Singapore, Software Engineering Intern, Singapore

Dec 2017 – Jan 2018

- Worked on Electron application that acted as front end interface of HATS, an open source testing automation tool based on the ROBOT testing framework.
- Refactored back-end Node.js code that interfaced with BASH and Powershell to ensure 100% success rate in parallel runs of test suites.

LeanData Inc, Software Engineering Intern, Sunnyvale CA

Aug 2016 – Jul 2017

- Built an interactive Salesforce application with graphing capabilities using Backbone, JointJS and jQuery.
- Designed database schema and implemented in-house log processing system with Ruby on Rails to reduce operations workload by 50%.
- Modularised legacy code and adopted Webpack, decreasing number of HTTP requests on page load from 70 to 2.

Education

National University of Singapore (NUS)

Aug 2014 – May 2018

Bachelor of Computing (Honors) in Computer Science (GPA 4.33)

Stanford University

Aug 2016 – July 2017

Management Science and Engineering

Extra-curricular Activities

President of TCrew Tembusu Residential College Dance Group

Teaching Assistant CS2103 Software Engineering NUS School of Computing

Deputy Director of Academic Liaison Cell NUS Computing Club

Past Projects

Pear

- Matchmaking application with support for web, android and IOS
- Cross-platform UI built with Vue.js, REST API and chat functionality built with Node.js
- Placed 2nd for NUS 11th STEPs competition

Quack

- Location-based chat Progressive Web Application with Lighthouse score of over 90.
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