

EMPLOYMENT

Software Engineer	Ninja Van, Singapore	July 2018 - Present
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Shipper Commercial Dashboard

- Develop multiple core features and flows on commercial web application (Single Page Application) using modern web stack, heavily utilizing React, Redux libraries like Redux-Saga, and Styled Components, responsible for carrying out deployments for frontend releases with Bamboo in a CI/CD environment to production and staging environments.
- Carried out third party integrations like PayPal for payment processing
- Implemented error tracking with Sentry. Implemented push notifications with Firebase Cloud Messaging functions
- Worked in a cross-functional team of product managers, developers and designers in biweekly sprints to do feature implementation, testing, and troubleshooting, adhering to agile methodology
- Implemented reusable UI components in internal React library used across all frontend projects within the company, and also reviewed code changes
- Worked on backend Golang micro service endpoint with test-driven development

Ninjava.co Revamp

- Worked as one of the 2 main developers on implementing company's public facing website that faces high volume of 1.1 million visits per month using GatsbyJS, including production deployments
- Conducted unit testing and end-to-end browser-based testing using Jest, Mocha, Cypress, improving test coverage from 20% to 69%.
- Reduced main page load times by 30% and improved Lighthouse Audit scores using Gatsby's APIs for optimizations and Lighthouse Audit recommendations by > 20%
- Implemented frontend code with mobile responsiveness and cross-browser compatibilities in mind
- Implemented features using React Hooks API and created custom hooks as well
- Implemented Google Analytics, Facebook Pixel, AdWords Integration into website for tracking, with country-specific configurations taken into considerations for the design of said integration flow
- Took initiative to document basic deployment workflows in shared workspace, for on boarding and general knowledge sharing purposes
- Carried out deployments for frontend releases using Bamboo

Backend Development

- Refactor code and improve test coverage in Java microservices
- Java Play Framework, Mockito, JUnit for tests

Flutter App Development

- Develop internal application in Flutter, and business logic layer in Dart. Used Bloc pattern for implementation.

Front End Engineering Intern	Sephora SEA	December 2017 – January 2018
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- Implemented a redesign of the website's shopping cart
- Built reusable UI components in VueJS
- Implemented designs with cross-browser compatibilities and devices in mind
- Part of early build of internal style guide that showcases Sephora SEA's branding and styles
- Took initiative to document setting up of development environment for Ruby on Rails for Windows machines.

Teaching Assistant	National University of Singapore	Jan 2018 – May 2018
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- Graded over 50% of course participants' assignments and conducted weekly lab sessions
- Crafted lesson plans covering HTML/CSS, Bootstrap, Invision, Sketch, jQuery

Software Engineer, Intern	Boxed Wholesale,	August 2016 - July 2017
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- Built company web application features with React and Redux, with Node.JS for server- side JavaScript, utilizing 3rd party open source libraries for feature development
- Used npm and Webpack for builds and tooling
- Responsible for updating MongoDB schema where necessary for business requirements

EDUCATION

Singapore, Singapore	National University of Singapore	Fall 2014 – Aug 2018
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Bachelor's in Computing in Computer Science, August 2018.

- Graduate Coursework: Biometric Authentication
- Undergraduate Coursework: Operating Systems; Data Structures and Algorithms; Game Design, Introduction to Virtual and Augmented Reality, Design and Analysis of Algorithms, Human Computer Interaction, Introduction to Computer Networks

TECHNICAL EXPERIENCE

Projects

IMPACT Hackathon NYC 2017 (First Place)

- Develop a data visualization solution in GoJS that allows non-technical users to visualize and understand algorithms through simple representations

TechCrunch Disrupt NYC 2017

- Developed a medication reminder system that integrates hardware and software, using React, PubNub API
- Solution allows users to take medication and get daily reminders, with notifications sent to physicians for monitoring

Languages and Technologies

JavaScript, ES6, HTML/CSS, React, Redux, D3, Golang, Java (intermediate), Python (basic), GatsbyJS, GraphQL, Babel, Webpack, npm, yarn, Flutter, Dart