

## EMPLOYMENT

### Software Engineer

#### Ninja Van

July 2018 - Present

Ninja Van is Southeast Asia's leading logistics provider, with the highest service coverage over 6 countries in the region. On the commercial team building out large scale, external-facing products. Products worked on include:

#### 1. External-facing dashboard

- Develop core features and flows on shipper dashboard using modern web stack, heavily utilising **React, Redux libraries** like **Redux-Saga**, and **Styled Components**
- Researched and implemented file upload/download utilities, integrated 3rd party APIS like Paypal
- Implemented error tracking with Sentry, thereby improving traceability of bugs and app crashes.
- 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
- Implemented reusable UI components in internal React library used across all frontend projects within organisation, and also reviewed code changes
- Worked on backend Golang micro service with test-driven development
- Carried out deployments for frontend releases with Bamboo

#### 2. Ninja Website 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
- Worked mainly on GatsbyJS and GraphQL for tech stack
- Conducted unit and end-to-end browser-based testing using Jest, Mocha, Cypress
- Reduced main page load times by 30% and improved Lighthouse Audit scores using Gatsby's APIs for optimisations and Lighthouse Audit recommendations
- Implemented frontend code with cross-browser and cross-device 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 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

### Frontend Engineering Intern

#### Sephora SEA

December 2017 - January 2018

- 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

#### National University of Singapore

### Teaching Assistant

Jan 2018 - May 2018

Course: Interaction Design

- Graded over 50% of course participants' assignments and conducted weekly lab sessions
- Crafted lesson plans covering HTML/CSS, Bootstrap, Invision, Sketch, jQuery

### Software Engineering Intern

#### Boxed Wholesale

August 2016 - July 2017

- Built company web application features with React and Redux, with Node.JS for server- side Javascript, utilising 3rd party open source libraries for feature development
- Used npm and webpack for builds and tooling
- Improved workflow of company tasks through refactoring and migrating features
- Worked with and created RESTful APIs for system tasks and new features
- Responsible for updating MongoDB schema where necessary for business requirements

## EDUCATION

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**Singapore, Singapore**

**National University of  
Singapore**

**Fall 2014 - Aug 2018**

- Bachelors 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

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### Projects

More projects hosted at [samlee.netlify.com](https://samlee.netlify.com)

IMPACT Hackathon NYC 2017

- Won first place at the IMPACT Hackathon
- Worked with cross-disciplinary team of UX designers and developers to develop a data visualisation solution in GoJS
- Solution allows non-technical users to visualize and understand algorithms through simple representations
- Developed in HTML/CSS, GoJS

TechCrunch Disrupt NYC 2017

- Worked among team of developers to develop a medication reminder system that integrates hardware and software
- Solution allows users to take medication and get daily reminders, with notifications sent to physicians for monitoring
- Used React, PubNub API for pubsub messages.

## LANGUAGES AND EXPERIENCES

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- Javascript, HTML/CSS, React, Redux libraries, D3, Go, Java (working knowledge), Python (basic) , R (basic)
- GatsbyJS, GraphQL