

# Albert Lucianto

## Software & UI/UX Engineer

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### EDUCATION

#### Nanyang Technological University

BE: Computer Science  
August 2015 - July 2019

CGPA 4.56 / 5.00  
Minor in Business  
Specialisation in Intelligent System  
& Data Science and Analytics

### ACHIEVEMENTS

1st place Facebook Hackathon Singapore 2018

3rd place Singtel Hackathon 2018

Dean's List AY 2015/2016 (top 5% cohort)

Bronze medal in International Mathematics Competition 2011

Silver (2014) and Bronze (2012, 2013) medals in Indonesian Mathematics National Science Olympiad

4th runner up in Global Art International Competition 2009 in Singapore

Best of the Best in Global Art National Competition Indonesia 2009

### SKILLS

**React** redux, immutable, reselect

**Vue** vuex, vue-router

**Angular** rxjs, redux-observable

**Webpack**

**Django** rest, uwsgi, nginx, mysql

**Adobe Illustrator**

**Adobe Photoshop**

**Unity3D**

### EXPERIENCE

#### Sea Group / Garena

Fullstack Engineer (Labs) Intern  
May 2017 - August 2017  
December 2017 - April 2018

Built Transify from scratch - a core internal tool for localisation and internationalisation. This application is continually used by all managers, developers, and translators in Sea across countries. Also maintained and approved feature requests for Transify.

Worked in pair on Sea recruitment system, Talent Pool. This project is directly delegated by VP of Engineering Sea Labs.

Technology used includes React, Redux Saga, Django, NGINX, Jenkins.

#### SAP Product & Innovation

Software Engineer Intern  
August 2017 - December 2017

Core team of team of SAP's Mobile Development Kit (MDK) - a metadata-driven framework for rapid mobile development, built on top of NativeScript, SAP Cloud Platform SDK for iOS.

Worked on SAP Asset Manager - an enterprise application built using SAP MDK. Fixed several bugs related to async handling, layouts, and offline file system.

Created Layout Editor plugins in SAP Web IDE for generating actions metadata, integrated CSS and NUI styling with the framework, and implemented QR code scanner feature.

#### Pinnacle Investment Indonesia

Software Engineer Intern  
May 2016 - July 2016

Designed and developed company's corporate website from scratch until deployment, with administrator access and content management capabilities using PHP.

Worked closely with company's Board of Directors for rebranding strategy - produced logo for the company's ETFs and carried out several design related projects.

### PROJECTS

#### PINTU Apps

Frontend Engineer, and some backend  
*pintusingapura.org/app*  
A centralised platform for NTU Indonesian Organisation services.

There was no solid base of Indonesian student data management; and the core service for 8 years, is no longer maintainable and has poor administrability and security.

Thus, a team of three rebuilt this into a more scalable and well structured web services.

Now, PINTU Apps has these new facilities:

- *Shop*: sending gift and wishes to your friends for their examinations.
- *Committee Recruitment*: better interview pipelining with near real-time system.

Backend uses microservice-based architecture, mainly authentication server and its dependants. This way enables new developers to create their own servers and integrate them with PINTU Apps. Frontend utilises webpack features to allow registering new app without sacrificing complexity and performance.

#### ICN Cultural Production

##### Ticketing

Technical Lead  
*show.icnmusical.com*  
A major overhaul of audience experience in watching theatrical drama.

This project aims to solve issues with ticketing system of ICN over the last few years. By conducting Design Sprint, interesting insights related to marketing are discovered, followed by tens of prototypes and in-depth UX testing.

Final idea includes integration with QR code, and a fairly complex frontend to cater for seamless user interaction.

Technology used includes React and Flask.

#### Vuex Search

*github.com/albertlucianto/vuex-search*  
Vuex binding for client-side search with indexers and Web Workers.

Featured in Vue.js News issues 98.

#### Other projects

- *3D SVG Editor*: mini Adobe Illustrator for 3D graphic asset built using Angular 5.  
*github.com/albertlucianto/3d-svg-editor*
- *Interactive Digital Book*: an app to create interactive book with voice, motion, and image recognition using Unity3D.
- *Vue Text Highlight*: highlighter library for vue. Supports multiple keywords and regex.  
*github.com/albertlucianto/vue-text-highlight*

### ORGANISATION

#### NTU Students' Union, 26th Management Committee

Design Director – Corporate Communication  
September 2016 - July 2017

Led a team of 9 members executing more than 60 events publications including posters, banners, book, and product designs.

*Received Union Gold Award* - remarked as the most prestigious award presented to NTUSU committee, who have done above and beyond their line of duties and contributed significantly during the academic year.