Albert Lucianto

Software & UI/UX Engineer

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EDUCATION

Nanyant 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

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

3rd place in Singtel Hackathon 2018

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

Bar indicates personal confidence level on working standard.

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 2017

Built Transify from scratch - a core internal tool for localisation and internasionalisation. 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.
- *Form*: create and publish branchable forms.

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
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.