

Richard Sulisthio

SOFTWARE ENGINEER

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EDUCATION

Tsinghua University

Beijing, People's Republic of China

Bachelor of Engineering in Software Engineering

Sep. 2018 – Jun. 2022

- Top 2 University in People's Republic of China
- **Scholarships:** Beijing Municipal Partial Scholarship 2018
- **Relevant Courses:** Computer Graphics, Software Engineering, Computer Networks, Front End Web Development, Back End Development, Computer Networks, Operating Systems, Human Computer Interaction

EXPERIENCE

Software Engineer - Web Platform

Sep. 2022 – Dec. 2022

Tokopedia

Jakarta, Indonesia

- Implement new features and fix bugs based on requirements into the Tokopedia Ads system (TopAds) UI using React.js and EmotionCSS.
- Revamp the landing page of Tokopedia Ads to attract more users into using the Tokopedia Ads feature.
- Help to increase TypeScript coverage of the Tokopedia Ads Service to be 70% or above.
- Help to increase the Tokopedia Ads Service Unit Test Coverage to be 80% or above with Jest.
- Review and perform smoke testing for peers in order to prevent unwanted errors.

Software Engineer - Front End

Jul. 2021 – Sep. 2021

ACY Finance

Beijing, People's Republic of China

- Improve styling of the user interface to enhance user experience with Less.
- Built the Market page of the company that shows different token trends with React.js, Ant Design, and Less.
- Convert some features within the page to be responsive, so that users can visit it on mobile devices.

Undergraduate Research Assistant

Mar. 2021 – Aug. 2021

Tsinghua University

Beijing, People's Republic of China

- Reimplemented and optimized the Myocardial Contrast Echocardiography Quantification Algorithm using Python OpenCV and Computer Vision algorithms to visualize heart blood flow in an intuitive manner.

Software Engineering Intern - Front End

Jul. 2019 – Aug. 2019

Master Online

Jakarta, Indonesia

- Developed new features for the product with HTML/CSS/JavaScript as well as jQuery.
- Perform smoke testing on the existing product to gather insights on product improvement.

HACKATHONS

WalletX ([link](#)) | *React.js, Vite, Chrome Extension, Material UI, ethers.js*

Mar. 2023

- Developed a chrome extension for a modular wallet that leverages account abstraction for full customizability with React.js and ethers.js
- Developed a developer contract publishing platform for the wallet using Vite, React.js, and ethers.js
- An entry for ETHGlobal's Scaling Ethereum hackathon, **won the Scroll network prize**

Droppin Protocol ([link](#)) | *React.js, Next.js, RESTful API, Wagmi, Polygon ID*

Jan. 2023 – Feb. 2023

- Developed a web front-end to facilitate the Droppin Protocol, a protocol that helps define community engagement in a more standardized way.
- Incorporated Discord API to perform authentication and Quest-checks.
- An entry for the Polygon@ThePit Singapore Hackathon, built on top of the Polygon Blockchain.

Hello | *React.js, Next.js, EmotionCSS, Figma, Ant Design*

Dec. 2022 – Jan. 2023

- Developed a web application to facilitate on demand transactions from buyers and users.
- **Selected to be a Finalist Project of the East Ventures INDONESIA PASTI BISA hackathon.**
- Incorporate responsive design into the development so that users can view the app in mobile devices.
- Incorporate server-side rendering from Next.js to improve load time and SEO.

LoaKampus ([link](#)) | *MIT App Inventor, Firebase NoSQL*

Jan. 2021

- Developed a student secondhand transaction Mobile Application with MIT app Inventor.
- **Won 1st Place in Mandiri TechSetter 2021 Hackathon.**

OTHER PROJECTS

- WMP Software** | *React.js, Nest.js, Ant Design, RESTful API, MSSQL Server, Docker* Mar. 2023 – present
- WMP Software is an enterprise management software that covers warehouse management, features include tax slip generation and supply chain tracking.
 - Gather software requirements from the user to obtain the required features for the software.
 - Developed the front end interface using React, Ant Design, and axios.
 - Developed the back end using Node.js, NestJS, and MSSQL Server, which would be deployed within a docker container
- AniBrowse** ([link](#)) | *React.js, Next.js, Apollo GraphQL, EmotionCSS, PWA, Figma* Jun. 2022
- Developed a web application to browse currently popular anime with Next.js and EmotionCSS.
 - Incorporate responsive design into the development so that users can view the app in mobile devices.
 - Incorporate server-side rendering from Next.js to improve load time and SEO.
 - Optimized performance to allow the app to be installable as a Progressive Web App (PWA).
- Simple Landscape Renderer**([link](#)) | *C++, OpenGL, GLSL, Computer Graphics* Sep. 2021 - Nov. 2021
- Developed a simple 3D graphics renderer with C++ and OpenGL that can display 3D models with variable lighting and position, as well as movable camera.

TECHNICAL SKILLS

Languages: Indonesian, English, Mandarin Chinese

Programming Languages: JavaScript, TypeScript, SQL, HTML/CSS, Python, C++, Dart, GLSL, GQL

Frameworks: React.js, Next.js, Nest.js, Node.js, Jest, Ant Design, EmotionCSS, Less, Flutter, Django, Apollo GraphQL, MSSQL Server, ethers.js

Developer Tools: Git, Docker, Docker Compose, VS Code, Visual Studio, Figma