Samuel Henry Kurniawan

(+65) 85815399 | mail@samuelhk.com | ChrisMaxheart | samuelhenryk

Education

National University of Singapore *Singapore*
Bachelor of Science with Honours (Distinction) *Jul. 2015 - Jul. 2019*

Skills

Languages Python, Javascript, Typescript
Web React, Django, HTML, CSS, jQuery

Experience

Sea Ltd. (Previously known as Garena Online Pte. Ltd.) *Singapore*
Engineer, Web Full Stack *Jun. 2019 - Dec. 2021*

- Developed and maintained multiple internal applications using Python (Django) Javascript/Typescript (React), and MySQL.
- Designed and developed a platform for research scientists to search among around 300k research papers (using mini internal search engine built on top of elasticsearch) and subscribe to their searches to receive daily newsletters at their preferred timings.
- Designed and developed a platform for sales team to engage around 200k Seatalk customers by sending promotional campaigns via email and in-app service notices, while doing real time data-syncing via Kafka with Seatalk in order to do targeted campaigns based on their activity metrics.
- Contributed to development of internal Frontend component library (https://coral.garenanow.com/) that puts emphasis on accessibility, flexibility, and ease to use by developers.
- Revamped and maintained web-based real-time data visualization app that enabling metrics analysis for all Sea products that comprises of billions of data rows.
- Developed a module for Seatalk OA (https://oa.seatalk.sea.com/) that allow organisations to create a custom app for their organisations using drag-and-drop functionality.
- Maintained web app for Finance department to update parameters used for revenue statistics for all Sea products and regions.
- Took initiative and developed multiple simple game platforms to help HR on doing monthly employee engagement activities.

Senior Engineer, Web Full Stack *Jan. 2022 - Current*

- Developed and maintained multiple internal applications using Python (Django) Javascript/Typescript (React), and MySQL.
- Initiated the idea and development of internal Frontend hooks library (https://coralhooks.garenanow.com/) for internal Frontend development purposes.
- Mentored multiple new hires and interns in the team in order for them to understand more on internal tooling and processes in order to be productive and able to contribute to development smoothly.
- Maintained internal finance systems that allows Sea employees to do claims and request finance team to buy equipment or consummables related to company's project; and was able to optimize several operations that costs millions of redundant database calls per hour.
- Initiated official onboarding guidelines for new engineers in the team to have smoother onboarding experience.
- Designed and developed a platform for upper management to manage company's special forces' schedule.

Autowealth *Singapore*
Web Application Developer Intern *May. 2018 - Jan. 2019*

- Developed web application using HTML/CSS/Javascript (including usage of D3.js and JQuery) for Frontend and PHP for Backend.
- Developed onboarding platform for new clients to help the company onboard the new clients.
- Developed client dashboard platform for more than 20k clients in order to help them to observe and analyze their investment portfolios, which still on use until this moment.

Extracurricular Activity

Othello Organisation Singapore *Singapore*
Assistant Operating Officer *Dec. 2019 - Current*

- Mainly in charge of helping to organise annual Othello tournaments in Singapore.
- Developed an application to help registered organiser organise Othello tournaments, using Rust as Backend and React Typescript as Frontend.
- Prototype: (https://oss-frontend-test.herokuapp.com/), source code: (https://github.com/othello-organisation-singapore).

National University of Singapore *Singapore*
Tutor *Jan. 2018 - May. 2019*

- Tutored in total of around 50 students for Programming Methodology in Python.
- Responsibilities including in-class teaching, consultation, assignment grading, and exam invigilating.
- Placed on the Honor List of Student Tutors for Excellence in Teaching (AY 2018/2019).