Samuel Henry Kurniawan

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Skills

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

Experience

Sea Ltd. (Previously known as Garena Online Pte. Ltd.)   *Singapore*

SENIOR ENGINEER, WEB FULL STACK   *Jan. 2022 - Current*

- Developed and maintained multiple internal applications using Python (Django) Javascript/Typescript (React), and MySQL.
- Leading multiple Backend developers in a project to revamp company's procurement system that will improve multiple workflows and better maintainability of the codebase.
- Initiated the idea and development of internal Frontend hooks library (https://coralhooks.insea.io/) 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 legacy finance systems that handles claims, procurements, and projects for Sea employees; and was able to optimize several operations that costs millions of redundant database calls per hour.
- Designed and developed central procurement features in order to better control on the company's procurement activities, which contributed to the company's profitability in the tech winter.
- Initiated official onboarding guidelines for new engineers in the team to have smoother onboarding experience.

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.insea.io/) 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.

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 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.
- Developed onboarding platform for new clients to help the company onboard the new clients.

Education

National University of Singapore   *Singapore*

BACHELOR OF SCIENCE WITH HONOURS (DISTINCTION) IN LIFE SCIENCES   *Jul. 2015 - Jul. 2019*

Extracurricular Activity

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).

Awards

2022	**2nd Place,** Hackathon@Sea	*Sea, Singapore*
2019	**1st Place,** 14th SoC Term Project Showcase - CS3217	*NUS, Singapore*
2018	**11th Place,** ICPC Singapore Regional Contest	*Singapore*
2018	**9th Place,** ICPC Jakarta Regional Contest	*Jakarta, Indonesia*