

# Samuel Henry Kurniawan

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## Skills

**Languages** Python, Go, Javascript, Typescript

**Web** React, Django, HTML, CSS

## Experience

### Zendesk

Singapore

SENIOR SOFTWARE ENGINEER

Nov. 2023 - Current

- Maintained a tool used by Zendesk engineers to maintain E2E test cases (used by 65% of Zendesk's E2E test cases) and run it on multiple platform during the development cycle.
- Integrated the tool mentioned above with multiple Zendesk's internal framework and other tools.
- Developed a plugin for Zendesk's internal Spinnaker to automatically found and run their test cases via Jenkins pipeline during deployment.
- Handled customer supports to internal users that used the team's testing tools to increase their productivity.

### Sea Ltd. (Previously known as Garena Online Pte. Ltd.)

Singapore

ENGINEER/SENIOR ENGINEER, WEB FULL STACK

Jun. 2019 - Nov. 2023

- Developed and maintained multiple internal applications using Python (Django) Javascript/Typescript (React), and MySQL.
- Led and mentored multiple Backend developers in a project to revamp company's procurement system that will improve multiple workflows and better maintainability of the codebase.
- Initiated and developed internal Frontend hooks library (<https://coralhooks.insea.io/>) for internal Frontend development purposes.
- 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 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 200k Seataalk customers by sending promotional campaigns via email and in-app service notices, utilizing real time data-syncing via Kafka with Seataalk to do targeted campaigns based on their activity metrics.
- 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.
- 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.

### 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.
- 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