

# Kenneth Renz A. Tegrado

## Software Developer

Parañaque, National Capital Region, Philippines

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## EDUCATION

**UNIVERSITY OF THE PHILIPPINES LOS BAÑOS**

2021 - Present

**Bachelor of Science in Computer Science**

Honors and Awards: University Scholar, DOST-SEI Undergraduate Scholar

Organization: Alliance of Computer Science Students

## WORK EXPERIENCE

**Full-Stack Developer**

February 2022 - May 2022

**TeachShare Philippines**

Relevant Technologies: React.js, Next.js, Firebase 9 SDK, Tailwind CSS, TypeScript

- Implemented React Context to standardize the propagation of props from any component and optimized unnecessary re-renders of the application by 47% using a memoized distribution of states.
- Administered the interface used in TypeScript for generating the responses from the API to increase the speed of backend development by 50%.
- Developed more than 20 UI components from Figma to React.js using Tailwind CSS and reduced the total development time from 1 month to 2 weeks.
- Remodeled 15 callback functions for authenticating user sign-up and log-in using ES6 asynchronous function to remove callback hell and create a readable code for six developers.
- Migrated email function from a web service layer to the frontend using Email.js and shortened the number of functions implemented by the backend by 6%.
- Upgraded HTML's native video player using TypeScript and CSS modules and added three additional functions to improve user experience.

**Software Engineer Intern**

December 2021 - February 2022

**Quicklink Philippines**

Relevant Technologies: React.js, Next.js, Django 3, JWT, SASS, Styled-Components, JavaScript

- Spearheaded an end-to-end application development with three software engineers and finished the site in 2 months.
- Supervised the migration of static assets served by the webserver to a frontend service layer using Next.js and significantly reduced the development time from 3 months to 1 month.
- Devised an algorithm to throttle requests from the client-side to the Django REST API server using React.js packages and minimized the number of requests on search functions by 85%.
- Oversaw the development of new UI components from Figma to React.js using Styled-Components and delivered more than 30 responsive and animated components in 1 month.
- Installed state persistence on the merchant-side of the application to persist data after reload and diminished the total loading time from 3 seconds to less than 1 second.

## SKILLS

**Programming languages:** JavaScript, TypeScript, C, Python

**Coding Languages:** HTML5, CSS

**Technical Skills:** React.js, Node.js, Next.js, Express.js, MongoDB, Git, GitHub

## CERTIFICATIONS

[JavaScript Intermediate Certification](#)

April 2022

HackerRank

[Software Engineering Certification](#)

April 2022

Triplebyte

[JavaScript Algorithms and Data Structures](#)

March 2022

FreeCodeCamp

[Software Engineering Certification](#)

March 2022

TestDome

[React Basic Certification](#)

February 2022

HackerRank