

# Ken Yokohama

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## EDUCATION

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### De La Salle University

*Bachelor of Science in Civil Engineering*

Taft Ave, Malate, Manila

May. 2014 – Feb 2019

## PROJECTS

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### Twitter Clone

<https://ken-yokohama.github.io/Twitter-Clone>

*React, Firebase, Material UI, React Router, Bad Words*

- Developed a full-stack social media web application that allows authenticated users to tweet, like, comment, bookmark, chat, search and customize user profile using Firebase as a Headless CMS with React as the frontend
- Implemented Firebase Email and Google Authentication to validate and get data from users.
- Administered Firebase Firestore serving as a REST API and Firebase Storage to handle uploaded media files.
- Structured proper Security Rules to scope user requests and accessibility of database and media storage data as well as rules to prevent banned users from writing to the database.
- Styled with Material UI following responsive Mobile First design practices.

### Kenterest

<https://kenterest.netlify.app/>

*React, Sanity.io, Tailwind CSS, React Router, UUID*

- Developed a full-stack social media web application that allows authenticated users to post, comment, save, search and customize user profile using Sanity.io as a Headless CMS with React as the frontend
- Implemented Google OAuth to authenticate and get data from users.
- Integrated Sanity.io CLI to handle database and file storage queries for uploaded pins and user profile data.
- Designed using Tailwind CSS and React Masonry following responsive Mobile First design practices.

### Ka-Chat

<https://ken-yokohama.github.io/Ka-Chat>

*Typescript, React, Firebase, Material UI, React Router*

- Developed a full-stack real-time chat application that allows authenticated users to privately chat each other 1 on 1 in real-time using Firebase as a Headless CMS and React as the frontend
- Secured chat messages using Firebase Firestore Security Rules to scope accessibility of each user.
- Implemented Typescript to catch any type errors during compile time and prevent certain issues before deployment

## EXPERIENCE

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### Cost Estimator

March 2021 – Present

*Pioneer Specialty Building Systems Inc.*

*New Manila, QC*

- Key Designer of Pioneer EcoSips Structures allowing for Innovative, Affordable and Energy Efficient Homes.
- Worked closely with Developers, Owners and Designers to ensure the project meets budget and schedule deadlines.
- Estimated 70+ drawings, specifications, proposals and other project related documents.
- Designed and Rendered over 20+ 3d Models using SketchUp and Revit following building code regulations.
- Assisted with the Value Engineering team by analyzing and preparing cost models of 14 designs to compare Conventional Design vs Pioneer EcoSips.
- Guided the Research team in creating the EcoSips Design Manual by providing the testing procedures, documents and machine specifications following ASTM international publications.

## TECHNICAL SKILLS

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**Programming Languages:** JavaScript, Typescript, MySQL, Markup, Bash, Cel, AutoIt

**Front-End:** Html5, Css3, jQuery, ReactJS, Bootstrap, Tailwind CSS, Material-UI, Framer-Motion

**Back-End:** Node.js, Express, Firebase, MongoDB

**Developer Tools:** Git, Npm, Chrome Dev Tools, VS Code, Atom, Hyper, Robo 3T

## AWARDS & CERTIFICATIONS

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### Civil Engineering License

May. 2019 – Dec 2022

*Philippine Professional Regulation Commission*