

Ken Yokohama

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EDUCATION

De La Salle University

Bachelor of Science in Civil Engineering

Taft Ave, Malate, Manila

May. 2014 – Feb 2019

PROJECTS

Bug Tracking System

MongoDb, ExpressJS, React, NodeJS, Redux, Typescript

<https://ken-yokohama.github.io/Bug-Tracking-System>

- Developed a full-stack software issue management web application that allows developers to create tickets for their projects and admins to manage the progress of each developer using the MERN stack.
- Created a REST API using Node and Express to store project and ticket information to the MongoDB database.
- Secured user data using Bcrypt for authentication and Json Web Tokens to manage authorization to private routes
- Implemented Redux as the state management tool to better handle project and ticket information.
- Styled with Material UI following responsive Mobile First design practices.

Twitter Clone

React, Firebase, Material UI, React Router, Redux

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

- 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 in the front end
- 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.

Ka-Chat

Typescript, React, Firebase, Material UI, React Router

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

- 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 front end
- 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

Cost Estimator

Pioneer Specialty Building Systems Inc.

March 2021 – Present

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

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

Front-End: Html5, Css3, jQuery, ReactJS, Redux, 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

Civil Engineering License

Philippine Professional Regulation Commission

May. 2019 – Dec 2022