Yuk Fai Chan

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SKILLS

Java, TypeScript, Angular, Spring, JavaScript, React, Redux, HTML, CSS, Ruby, Ruby on Rails, Mongoose, MongoDB, Node.js, Express.js, SQL, SQLite3, PostgreSQL, Webpack, jQuery, Git, Heroku, Google Maps API, Amazon Web Service (AWS), Firebase, SCSS, Chatengine

PROJECTS

Revature Swag Shop E-Commerce Platform (Angular, TypeScript, Spring, Java, GCP)   Github
Revature Swag Shop (RSS) is an e-commerce web application that allows people to buy products over the internet rather than at a brick-and-mortar location. This application utilizes Spring and Angular to form a reliable platform that businesses can use to sell their products and a comfortable user experience for customers to purchase merchandise. RSS also allows customers to view and purchase items on sale to enhance their customer experience.
- Leveraged opacity adjustments and borders to yield a flexible layout by using Bootstrap.
- Stored all the data in GCP instead of local storage. It is more stable to put the data into the cloud.
- Updated all the user's data except their own id by using the update function.
- Developed a logout function in which users can log out and use a herf function in HTML so users will redirect to the home page after logout.
- Saved the products into the carts so users can check out later. Saving people time by adding the products every time which improves performance.

Programmers Mingle — Frontend Developer (Angular, TypeScript)   Github
Programmers Mingle is a dating app for programmers. With a Spring Data backend, an Angular frontend, and Postgres in Google Cloud SQL, we created a web application that allows users to mingle and match with other programmers. The Google Geolocation API was used to guarantee users connect to people nearby. Top articles generated the interactive background animation.
- Employed Bootstrap for a smooth User Experience, leveraging opacity adjustments and borders to yield a flexible layout.
- Used Geolocation to locate the user which saves time for typing the location and has a better search result.
- Used GCP to store the database instead of local storage, which can save more data on the server.
- Added the update function by updating all the data except the id into the database so the users can update their portfolios.
- Developed a logout function in which users can log out and use a herf function in HTML so users will redirect to the home page after logout.

FitBook — Frontend Developer (MongoDB, Express, React.js, Redux.js)   Live Site | Github
A single-page web application where users can create custom workouts & exercise schedules to achieve their goals.
- Stored uploaded images on Amazon Web Services S3 (AWS), reducing loading time while optimizing the non-media databases.
- Employed CSS3 for a smooth User Experience, leveraging opacity adjustments and borders to yield a flexible layout.
- Designed a search feature that pulls results from the list of exercises, allowing users to filter results by searching the name or category without additional queries to the database.
- Incorporated custom client-side form validations to avoid unnecessary AJAX requests which improve performance.
- Pushed all my part of work to Github so other groupmate can pull from Github, reducing the chance of having duplicate work and increase efficiency.

Cliffed (JavaScript, CSS)   Live Site | Github
A single-page web game where players can move left or right on the map for survival.
- Developed a keypress function that allows players to move freely around the map, increasing the game's performance.
- Connected the leaderboard backend to Firebase, comparing it with other players to increase users' experience.
- Deployed an alert message for showing survival time to improve users' experience.
- Established an audio on/off function that can turn on/off the background music, influencing the players' game experience.

Chat (JavaScript, CSS, Chatengine.io, Firebase)   Live Site | Github
A single-page web where users can chat with friends or create a group chat.
- Stored users' information and chat history using chatengine.io, efficient data retrieval and an improved User Experience.
- Created a getFile function so users can send photos on chat.
- Implemented Firebase for user auth, allowing users to access their Facebook or Gmail instead of creating new accounts.

EXPERIENCE

Software Engineer

Cognizant, Sept 2022 - Feb 2023

- Designed and developed multiple enterprise-level microservice applications as well as user interfaces for Cognizant's internal projects with a team of 10-20 people.
- Used the latest technologies of Java, Spring, JavaScript, TypeScript, and Angular.
- Collaborated with multiple pods while utilizing the Agile methodology and the use of Git and Gitlab for version control
- Applied the process of Test-Driven Development (TDD) towards all code written using Jasmine, Karma, Junit, and Mockito to make the application at least have 85% test of the code coverage.
- Identified key issues enclosed within the codebase using SonarQube to address major bugs, vulnerabilities, and security hotspots
- Continuous Integration/Deployment Pipeline Integration, pull requests, code reviews, daily standups, and unit/integration testing to make sure your code is getting reviewed and up to date. It makes the team 15% efficient by not worrying about the merge conflict.

Software Engineer

Revature, Jun 2022- Feb 2023

- Sharpened the latest technologies of Java, Spring, JavaScript, TypeScript, and Angular.
- Designed and developed multiple enterprise-level microservice applications for Revature's projects with a team of 5-20 people.
- Identified key issues with your pairs during pair programming.
- Brought up the issues/bugs during the stand-up time so the team can fix them together, saving 20%-30% the time of solving the bugs by yourself.

Accounting Clerk

Apex Maritime Co., 2017 - 2019

- Maintained 3-4 printers and computers to prevent paper jams in our accounting office which increased by 15% efficiency.
- Handled and organized around 50-100 invoices per day by using the Redant system.
- Reconciled 10-20 customers' bank statements every month to prevent fraud by using excel v-lookup.
- Assisted and updated 10 - 20 customers' daily books by using MS Word and sent monthly reports to customers.

Ground Service Agent

Cathay Pacific, 2016 - 2018

- Updated flight information and reports, reduced 30-50% manager's time to send flight reports to headquarters.
- Organized and ensured 200-400 bags into their right container for a smooth flight and reduced 20-40% time complexity of unloading baggage for arrival.
- Trained new hires about handling customers' baggage and making use of the check-in system.

EDUCATION

App Academy - Immersive software development course with focus on full-stack web development (April 2020 - July 2020)

San Francisco State University - *BS* - Accounting (2011 - 2015)