Edmund Chan

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Git: https://github.com/edmundchan70   Portfolio: https://portfolio-2023-xi-flax.vercel.app/

PROFESSIONAL EXPERIENCE

May 2022 - Aug 2022   **Software Engineer**, **APIs Tester**, KAIDU.AI

- Designed and implemented automated test suite for the API in Pytest. Implemented daily full endpoint coverage testing with the test result and alert, thus reducing manual testing effort by 90%.
- Perform API testing and work with the teams to prioritize and resolve bugs and technical debts
- Recognized display issues on the company dashboard and successfully assisted developers to fix them.
- Used Jira and git for version control. Pytest is used to implement all the tests.
- Team player: Report on Jira Kanban whenever a bug/problem is discovered. Kept 100% attendance at daily standup meetings.
- Good Learner: Learned and built a demo backend API service based on Nest.JS in a short amount of time. Took feedback from senior devs and successfully adapted concepts like modular design and good styling, thus reducing code size by 50%.

Related Experience

Software Engineer	Algorithms	Artificial Intelligence	IOT(Bluetooth)
Data structure	Agile cycle	Full Stack development	Computer Organization
Generate Tests	Automation	Responsive Design	Web/Serverless Hosting

Projects

Easy Amazon Clone | FullStack, React.js, Node.js, Postgresql, Vercel, Render, Javascript

Summary

- An interactive website that supported visitors to **login & signs up**, allowed users to add/delete/modify items displayed on the webpages. Or add items to the shopping cart and purchase them later.
- The front-End part was built mainly by React.js, supported by multiple backend API services built by Node.js, PostgreSQL was selected as the database. The components above were hosted online.

Challenges & Interesting parts

1) Designed suitable database schemas for the application
2) First project involved front-end development (HTML,CSS,React.js), which significantly improved my front-end skills & senses.
3) Successfully adapted the component design pattern. Codes are easy to read and refactor.

Facebook Clone | FullStack, Next.js, Nest.js, PostgreSQL, Next-Auth, Prisma, TypeScript

Summary

- A full-stack project emulated classic Facebook features. Allowed visitors to **send posts** with **texts & pictures**, or **leave comments** under posts. Functionality like: Search User, send/accept friend requests are combined into a Friend Page.
- **Next-Auth** was chosen as an OAuth measurement, while **NextJs** responded for the UI design, **NestJs** served as an API service, **bit.io** was chosen as a cloud **PostgreSQL** database, and **Prisma** was selected as an ORM solution.

Challenges & Interesting parts

1) Migrated Node.js and React.js skills to other frameworks(Nest.js and Next.js)
2) SSR(Server side rendering) was involved in enhancing user experience, while CSR(Client side rendering) provided real-time responses to user's actions (posts/comments)
3) Successfully implementing the API services in Typescript improved the backend services' consistency.

EDUCATION

Toronto Metropolitan University(Ryerson University)   **Toronto, On**
B.Sc Computer Science -In Progress(6/8 semester)   *Sept 2020-Present*
Dean List (2020-2022)

Skills

Skills: Java, Python, C, Javascript, Html, CSS, PostgreSQL, React.js,Next.js, Nest.js, Node.js, Firebase, Git, Slack, Jira, Next-Auth.