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

- Successfully designed and implemented tests for the company API. The tests were run automatically every day, ensuring all the services were available. If not, an appropriate alert would be sent to SLACK, notifying other developers in the team.
- Discovered bugs that existed in the system while developing the tests. Then, assisted other developers in resolving those problems
- Recognized display issues on the company dashboard and helped 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. Participate in the daily standup meeting.
- Good Learner: Learned and built a demo backend API service based on Nes.JS in a short amount of time. Participated in code review and learned different tricks and styles from other developers.

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 APIAPI 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 greatly improved my front-end skills & senses.
3) The application successfully adapted the component design pattern so most of the codes were reusable and easy to maintain.

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.
- **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 my Node.js and React.js skills to more advanced frameworks(Nest.js and Next.js)
2) SSR(Server side rendering) was involved to provide real-time responses to user's actions (posts/comments)
3) Successfully implemented the API services in Typescrip which 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.