

# GRACE CHI

## Software Engineer

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## SKILLS

- Javascript/Node.js, Python, React/Redux, Typescript, Express.js, Flask, PostgreSQL, SQL, SQLAlchemy, HTML/CSS, jQuery, Amazon Web Services (AWS S3), Git, Docker, Object-Oriented Programming (OOP), Test-Driven Development (TDD), REST APIs, Agile Methodology, JIRA, Web Development, Full-Stack Development, Software Development Life Cycle (SDLC)
- Playwright, Cypress, Selenium, Quality Assurance, Analysis, Troubleshooting, End-to-end / Regression Testing, Test Planning

## EXPERIENCE

QA Engineer 2 | QA Wolf

Oct 2022 - Sept 2023

- Designed and executed robust **E2E (end-to-end) Playwright** automated **test plans** for **web and mobile application testing** to meet each client's expectations of 80% test coverage in 4 months.
- Manually **triaged** and troubleshooted issues as well as escalate customer feedback within **SLA** (service level agreement) of 2 hours.
- Reported detailed steps, logs, and recordings to the development team of any defects or issues (bug tracking system: **JIRA**) that arise during testing, and maintained test data and test environments, ensuring accurate representation of production environments.
- Mentored new team members and contributed to team **documentation** on **automated testing** processes, tools, and best practices for each client.

## PROJECTS

Beautsy

[site](#) | [github](#)

*An e-commerce site where users can browse and purchase beauty products*

- Built application with **Javascript, React, Redux, Python, Flask, SQLAlchemy, PostgreSQL, Docker, and Render**.
- Leveraged **Redux** and **React Hooks** to optimize the information management of React components, dynamically utilize the browser's **local storage** as a shopping cart, display embedded links to products and create orders seamlessly.
- Designed **user interface (UI)** and **user experience (UX)** to maximize intuitiveness, velocity, and balance between functionality and aesthetic design.
- Ensured user security and authentication with **Flask-SQLAlchemy**, Flask WTFORMs, Flask-Login, **Regular Expression**, and custom client-side form validations to avoid unnecessary **AJAX** requests which improves performance.

Sea

[site](#) | [github](#)

*Robinhood-inspired application for users to experience a mock-up of the stock market*

- Built application with **Javascript, React, Redux, Python, Flask, SQLAlchemy, PostgreSQL, Docker, Heroku, Recharts, and Finnhub API**.
- Integrated a **financial news application programming interface (API)** to fetch and display real-time general news and specific company news data on the frontend dashboard and stock details React components.
- Developed a comprehensive search feature that pulls results from **PostgreSQL** database allowing users to filter by keyword.
- Collaborated on a team of four engineers using **Agile methodology** and **Git version control** to execute a viable product with four features within a one week deadline.

## EDUCATION

App Academy | *1000+ hour immersive full-stack web development program, 2022*

The University of Texas at Austin | *BSA, Nutritional Sciences, Pre-Health Professions Certificate, 2021*