

# WING NIN CHEUNG “RICKY”

## SOFTWARE ENGINEER

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### SUMMARY

A self-motivated Software Developer with 2+ experience in business analytics with a problem solving focus towards the development of applications. Utilizing enterprise level languages to deliver solutions with a customer first approach.

### SKILLS

**Languages:** JavaScript(ES6), Python, SQL, HTML, CSS

**Frameworks/Tools:** React, Redux, Flask, Node.js, Express.js, PostgreSQL, Playwright, Mocha, Cypress, AWS, SQLAlchemy, Sequelize, WebSocket, Git, Docker

**Other:** RESTful API, OOP, GitHub, TDD, Agile Development, Software development life cycle

### PROJECT EXPERIENCE

**Amasport** ( *JavaScript, React, Redux, Python, Flask, SQLAlchemy, PostgreSQL, CSS3* )

Aug 2022

*Full-stack app allowing users to browse, review and checkout products*

[Live Site](#) | [Github](#)

- Leveraged **React.js**, **Flask**, and **PostgreSQL** to create a dynamic shopping experience with instant updates for carts, orders, and reviews functionality, resulting in increased user engagement.
- Improved user experience with **redux-thunk** middleware to handle asynchronous actions in Redux, such as fetching products data, adding products in carts and submitting reviews without page reloads.
- Developed and implemented a flexible search and sort-by category feature on products using **JavaScript**, resulting in a more intuitive user experience.
- Implemented a dynamic delivery status feature with **useEffect** hook in React that adjusts based on the order time of a user, resulting in an improved user experience and demonstrating attention to detail.

**Wecord 2.0** ( *JavaScript, React, Redux, Python, Flask, PostgreSQL, Socket.io, CSS3* )

Jul 2022; Feb 2023

*Full-stack chat app allowing users to chat in real-time on different servers and channels*

[Live Site](#) | [Github](#)

- Designed various **RESTful APIs** and **React** components for logged-in users to perform full CRUD operations on servers, channels, and messages, resulting in a 30% increase in user satisfaction and engagement.
- Implemented **Socket.io**-based live chat technology to enable real-time communication across 20+ servers and channels, resolving real-time issues proactively.
- Diagnosed and resolved 20+ critical bugs independently, including issues related to instant messaging and message editing/deletion, demonstrating excellent debugging skills.
- Collaborated with a cross-functional team of three engineers to establish best **Git** workflow practices, manage pull requests, and resolve merge conflicts efficiently, ensuring on-time delivery of a high-quality product.

### EXPERIENCE

**Business Analyst**, GCL New Energy via Robert Half, San Ramon, CA

Aug 2019-Jan 2022

- Conducted analysis of production data using Microsoft Excel, including Pivot Tables and VLOOKUP, to record and maintain operational performance data.
- Created monthly financial and operational reports, utilizing revenue and expense tracking models and forecasting reports, which were presented to management teams.
- Developed and managed visually impactful dashboards in Tableau to identify key metrics and developing trends, leading to potential revenue increases of 5.2%.

### EDUCATION

**Immersive Software Engineering Program**, App Academy

Mar 2022-Aug 2022

**B.S in Applied Mathematics (Statistics)**, San Jose State University, CA

2016-2019