

Ricky Jia

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HIGHLIGHTS

- **3+ years'** experience in software development, specializing in **full-stack/mobile development**, strong understanding of object-oriented programming, data structures, design patterns and version control tools
- Proficient in building modern SPA with responsive front-end frameworks like **React/Next.js**, dynamic back-end architecture by **Golang/gRPC**, Postgres, **Node.js** MongoDB, RestAPI, etc.
- Extensive experience in mobile development (Android & iOS) using React Native, Flutter
- Comfortable working with Linux-based dev environments and production environments like **Docker**, **AWS**, **K8s**, GitHub Action, web testing tools (Postman, Chrome DevTools) and utility tools like Swagger, etc.
- Trustworthy, motivated and discreet, capable of both working independently and collaborating with colleagues in an Agile team
- Comfortable working in a fast-paced environment with excellent time management & interpersonal skills

WORK EXPERIENCE

Junior Software Engineer, *Funglyn Inc., Richmond Hill, ON*

Aug. 2023 – Current

- Played a pivotal role in developing .Net web application and supporting the integration with a C++ backend for PCR testing machines. Contributed to features such as motor calibration, user-configurable settings, enhancing system flexibility and user experience. Utilized Jira and Confluence for project tracking and documentation, ensuring effective team coordination.
- Assisted in establishing an effective workflow between the web app and the C++ backend, focusing on precise motor positioning and consistent experiment execution. Participated in designing a user-friendly calibration interface and supported command processing for efficient experiment management.

Software Engineer, *Evilnut Creative Technology., Vancouver, BC*

Aug. 2020 – Apr. 2022

- Developed a comprehensive college website, including course management, news updates, live chat, student registration, and tuition payment. Enhanced administrative efficiency and student satisfaction by streamlining processes and providing a centralized platform. Significantly improved the academic experience for thousands of students, faculty, and staff.
- Implemented a Golang/Gin RestAPI integrated with a PostgreSQL database to extract and analyze data, enabling a high school admission success rate estimation service for an educational institution. This resulted in a 20% improvement in admission success rate.

Software Engineer I, *CoinChain Capital Inc., Richmond, BC*

Apr. 2019 – July. 2020

- Enhanced Heyni, an iOS language learning app, by incorporating short video, new layouts, and appointment scheduling features, leading to user engagement increased by 110%
- Developed REST API services using Node.js/Express, JWT, and Mongoose, and integrated third-party APIs like Stripe and MailGun. These services offered features such as video-based language learning and e-commerce merchant management.
- Built various React-based web admin portals for tasks like shop management, user administration, inventory, payments, and cloud account monitoring

Code for fun, Spare time

Nov.2023 - Current

- Solo developing a skiing app facilitating carpooling, instructor finding, and a skiing forum.
- Initiated the project from scratch, designed a scalable Golang microservices architecture using gRPC to ensure code is clean, testable, and well-structured.
- Implemented a streamlined CI/CD process for automating Docker image build and upload, application deployment using GitHub Actions, Kubernetes, and AWS

EDUCATION

B.Sc, Majored in Computer Science, *University of Manitoba, Winnipeg*

Sep. 2011 - Dec. 2017