Ningqian Jia

Burnaby, BC | ningchan.jia@gmail.com | (204) 290-8628 | Portfolio

Over 5 years of experience in full-stack development, specializing in React, Node.js and Golang.

WORK EXPERIENCE

Software Engineer, *Funglyn Inc., Richmond Hill, ON* — Aug. 2023 – Apr. 2024

- Implemented 5+ core features, including Authentication, User Management, Experiment Management, and Motor Calibration, for the PCR testing machine operating system built with Next.js, and delivered the project three months ahead of schedule.
- Refactored and optimized legacy C/C++ application to integrate a new motor model, resulting in 66.7% improvement in motor reponse time.
- Drove daily stand-ups, sprint planning, and retrospectives, contributing to feature development and process improvements, which led to a 25% reduction in development time in the web application project.

Software Engineer, *Evilnut Creative Technology., Vancouver, BC* — Aug. 2020 – Apr. 2023

- Developed REST APIs for a SaaS application designed for a college, enabling features such as course management, student enrollment, and tuition payment. Leveraged Node.js to create scalable endpoints, resulting in a 25% increase in user engagement and a 15% reduction in server response times.
- Designed and built a suite of gRPC microservices for core functionalities, including authentication, email, logging, and a broker server with RabbitMQ. This modular approach enabled independent scaling and deployment of services, leading to a 40% increase in system scalability.
- Secured the correctness of codebase by wrting more than 350 unit tests, resulting in a robust, reliable system with a 30% reduction in bug reports and enhancing overall system stability and user trust.
- Developed a CI/CD pipeline that automates Docker image builds and deployments to AWS ECR using GitHub Actions, reducing deployment time by 50% and accelerating release cycles by 30%.
- Lead a team of three new graduate programmers in frontend development using React, leading to a 20% increase in their coding efficiency and the successful implementation of 30+ pages across multiple projects.

Software Engineer, *CoinChain Capital Inc., Richmond, BC* — Apr. 2019 – July. 2020

- Modified the layout and added video playing/sharing function to a language learning IOS app named *Heyni* which supports online language training session appointment and delivery.
- Designed a WeChat mini program using JavaScript, WXSS, and WXML for the front-end, and Node.js, Express, Router, JWT, and Mongoose for the back-end. Integrated third-party APIs such as WeChat Pay and Tencent Cloud. Implemented features including video-based language learning, task assignment and rating, and online payments.
- Involved in an e-commerce website development with main features like store/product management, customized displaying & filtering and CRM section; modified & debugged the APIs according to ever changing business logic.
- Implemented a cloud service management platform which aims to lively monitor & manage the usage/consumption of multiple cloud services.

EDUCATION

B.Sc, Majored in Computer Science, *University of Manitoba, Winnipeg* — Sep. 2011 - Dec. 2017

ADDITIONAL

Languages & Frameworks: JavaScript, Golang, React, Next.js, Node.js, Java, HTML, CSS
DevOps Tools: Docker, GitHub Action, Kubernetes, AWS
Databases: MongoDB, PostgreSQL.
Software Development: Agile Methodologies, RESTful API Design, Microservices Architecture, OOP, Design Pattern
Languages: Fluent in English; Native in Mandarin.