

Raymond Ng

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SKILLS

Languages: Java (Spring, SpringBoot), Typescript/JavaScript (ReactJS, NodeJS), Python, HTML, CSS

Cloud & Databases: AWS, Azure, MS SQL Server, PostgreSQL, MongoDB

Backend development: Microservices, RESTful API/GraphQL, Redis, Kafka, RabbitMQ, Docker/K8s

DevOps & Collaboration Tools: CI/CD, GitHub Actions, Monitoring/Logging, Maven, Git, Jira, Agile

Testing & Security: Automation Testing (JUnit, Cypress), API Testing (Postman), JWT, OAuth2

Soft skills: Communication, Teamwork, Prioritization, Systems thinking, Patience, Flexible mindset

WORK EXPERIENCE

Analyst Programmer (full-time), [Prizm Group](#) – Hong Kong 02/2024 - Present

- Designed and engineered a highly-customized workflow and case management system for clients using **React, Java (SpringBoot), Azure, Redis, and MS SQL Server**.
- Implemented RESTful APIs with optimized caching techniques, facilitating efficient data exchange between microservices and reducing response times.
- Achieved a 40% increase in task performance efficiency through multithreading and concurrent programming, preventing deadlocks with advanced synchronization mechanisms.
- Assisted in developing a task queuing system with **Azure Queue Storage** to offload resource-intensive tasks from the API backend, improving application performance and scalability by 25%.
- Overhauled and built a cloud-based PDF management feature, implementing frontend functionalities for data record display and file manipulation with backend integration for consistent file processing.
- Improved system operability by integrating automated **unit and E2E tests** into the **GitLab CI/CD** pipeline, accelerating issue identification and shortening QA cycle duration by 30%.
- Reduced debugging efforts by 70% through enhanced code quality and maintainability via detailed logging implemented using **Spring AOP**, improving debugging and monitoring capabilities.
- Translated client requirements into effective coding solutions within deadlines using **Agile** sprints.

Full Stack Engineer (freelance), booga.com.hk – Hong Kong 05/2023 - 07/2023

- Developed an all-in-one telecom services platform with responsive design using **Next.js**, integrating **Strapi** for Restful APIs and **PostgreSQL** for data management, facilitating over 1,000+ transactions.
- Partnered with the marketing team to analyze data and implement SEO best practices, achieving a 300% increase in organic search traffic and website discoverability.
- Restructured and documented a complex codebase for improved clarity and efficiency, leading to a 25% increase in developer productivity and enhanced team collaboration.

PROJECTS

Personal Website: raymond-ng.com (for additional information and projects)

HomieComb: a platform for lodging exploration and booking (09/2023) [Demo](#), [GitHub](#)

- Tech stacks: React, Redux, PostgreSQL, JPA/ORM, Spring Security, OAuth, JWT, AWS (EC2, S3, RDS).

Prognolytics: a web app for personalized financial health analysis (03/2023 - 04/2023) [Demo](#), [GitHub](#)

- Tech stacks: React, MUI, Google Vision API (OCR), OpenAI LLM, MongoDB Atlas, JWT, Express.js.

EDUCATION

Diploma in Computer Programming (GPA: 3.9/4.0) 01/2022 - 04/2023

Seneca Polytechnic – Toronto

Bachelor of Arts (Honours) in Landscape Architecture 09/2017 - 06/2021

Technological and Higher Education Institute of Hong Kong – Hong Kong

CERTIFICATIONS

AWS Certified **Solutions Architect** – Associate - Amazon Web Services

11/2023