Wai Yan Ng, Raymond

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SKILLS

Front-end development: TypeScript | React | Next.js | Tailwind | Bootstrap | Redux | HTML/CSS
Back-end development: Java (Spring Boot) | Node.js (Express.js) | Python | C++
Databases: PostgreSQL | MySQL | MongoDB
Others: Git | Unix shell | VS/VSC | Webpack | Vite | Jest | Cypress | JWT | OAuth | Docker | Maven |
Spring Framework | Spring Data JPA | MVC | Dependency Injection | OOP | ORM | Jira | Agile

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

WORK EXPERIENCE

Full Stack Engineer (Freelance), booga.com.hk – Hong Kong   05/2023 - 07/2023
- Developed an all-in-one platform for efficient comparison and tailored solutions in telecom services.
- Implemented adaptive and responsive design with **Next.js**, **Tailwind CSS**, and backend integration.
- Built Restful APIs with **Strapi** and **PostgreSQL** for streamlined data management and accessibility.
- Led end-to-end app development, fostering collaboration with UI/UX and cross-functional teams.
- Restructured and documented an intricate codebase during a revamp, leading to optimized development, enhanced team collaboration, and improved code maintainability.
- Collaborated with the marketing team to strategically analyze data and implement SEO best practices, achieving 300% increase in organic search traffic and website discoverability.

PROJECTS

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

HomieComb - Demo, GitHub   09/2023
- Implemented a responsive and intuitive frontend interface using **React** (Next.js), **Tailwind CSS**, and **Redux**, enhancing user experiences and ensuring seamless navigation for travellers.
- Orchestrated data privacy and user authentication by integrating **Spring Security**, **OAuth 2.0**, **JWT** a **Spring Boot** backend, connecting to **PostgreSQL** via **JPA** for data management.
- Managed seamless application scalability and reliability by synergizing **AWS** cloud services, such as **EC2**, **S3**, **RDS**, and **Elastic Beanstalk**, ensuring consistent application stability.

Prognolytics - Demo, GitHub   03/2023 - 04/2023
- Developed a web application using **React** (Next.js) and **Material-UI** to offer personalized financial health analysis.
- Incorporated **Google's Vision API(OCR)** and **OpenAI's NLP** model for advanced data processing, empowering users to make informed decisions.
- Implemented user authentication with **JWT** with an **Express.js** backend using **MongoDB Atlas**.

Metropolitan Museum of Artwork Collection - Demo, GitHub   02/2023
- Engineered a modern, responsive user interface for data search and viewing with the Metropolitan Museum of Art Collection API, leveraging **React** (Next.js) and **Bootstrap**, enriched with **JWT**-based security, and powered by an **Express.js** and **MongoDB Atlas** backend.

CERTIFICATIONS

AWS Certified Solutions Architect – Associate - *Amazon Web Services*   11/2023
Data Analytics Training - *Future Academy*   08/2023

ADDITIONAL

Languages: Native in Cantonese, Mandarin; Fluent in English