Anthony Wong

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Junior Software Engineer

SUMMARY OF QUALIFICATION

- Post-secondary education in software engineering
- Proficiency in multiple programming languages, including JavaScript, SQL, HTML, JSON, Java, and Python
- Excellence in relational database management system
- Experience in Agile methodologies such as Scrum
- Familiar with test automation tools like Selenium
- Familiar with RESTful web services
- Knowledge of Microsoft and Linux operating systems
- Okay at troubleshooting networks equipments
- Okay at Eclipse development environment

TECHNICAL SKILLS

- Front-end: Next, React, Redux, Bootstrap, Tailwind CSS, Sass
- Back-end: ExpressJS, .NET, RESTful
- Database: OracleSQL, MongoDB
- Testing and Development Tools: Git, Postman, Selenium, Mocha, Jest
- CI/CD: Docker Swarm, Kubernetes, AWS ECS
- AWS: EC2, S3, Lambda
- DNS: Cloudflare, AWS Route 53
- UX/UI Design: Figma

PROJECTS

Aspiring Ingenuity

Worked as a developer in an professional Scrum team, designed and developed a cloud-based web and mobile application as a staffing management solution

React/Figma/NodeJS/MongoDB/AWS/Agile

- Enhanced the ReactJS frontend of a cloud-based web staffing management service to increase the code readability and improve the development speed by 40%
- Assisted teammate resolving technical challenges such as customized interactive calendar, getting user availability radius using react google map API, which accelerated the sprint by 15%
- Utilized Figma to draft over 50 web and mobile user interfaces, resulting in 60% increase in client satisfaction

Full Stack Project - Aloha Rental   Link to Demo

MERN stack/TypeScript/Heroku/AWS EC2/Docker/Agile

- Collaborated with 8 members to design and implement a car rental system from scratch within 2 months
- Played a key role in both frontend and backend development, focusing on implementation of user interface elements, external libraries such as AWS sdk, and user authorization and athentication
- Migrated the app from Heroku to AWS Free Tier Instance with Docker Swarm to save 100% hosting cost, enable resource utilization and ensure 95% uptime

Machine Learning Project - Stop Sign Object Detection   Link to Demo

Python/Colab/TensorFlow Lite/Android Studio/Object Detection/LabelImg

- Downloaded and annotated over 150 images with Open Image and LabelImg for model training
- Trained an accurate and efficient object detection model with 70% AP score

Selenium Automated Test Scripts for User Registration and Login   Demo Video

MERN Stack/Selenium/Mocha
- Programmed automated test scripts which simulate each user interaction within 0.5s, validate the functionality, and ensure application reliability

Restful API - COMP214 Airlines   Demo Video | Link to Demo

ExpressJS/OracleDB/PL SQL/Oracle Cloud Autonomous Database/EJS/Docker
- Collaborated actively with 3 members to design an Entity Relationship Diagram (ERD) with 8 entities and created oracle cloud SQL database with 100 % uptime

Restful API - Survey Horse

ExpressJS/MongoDB/ChartJS/EJS
- In a team of 4 members, developed the database, back-end Restful API for surveys, and user authorization and authentication

Individual Project - Socket.IO Chat App   Link to Demo

MERN Stack/Socket.IO/TypeScript/AWS EC2/ Docker
- Enabled real-time bi-directional communication between server and client using Socket.io library

Individual Project - Web Scraping with Python   ReadMe | Link to Demo

Python/Beautiful Soup/ExpressJS/Docker
- Executed Python script on NodeJS scraping podcast information to JSON files with BS5 library

WORK EXPERIENCE

Student Researcher (UX/UI and Frontend)   WIMTACH - Toronto, ON   10/2022 - 1/2023

React/Figma/NodeJS/MongoDB/AWS/Agile

EDUCATIONS

2021 - 2023 Post-Secondary Diploma in Software Engineering Technician   (GPA: 4.36/4.5)
             Centennial College

2014 - 2018 BEng (HONS) in Civil Engineering
             The Hong Kong Polytechnic University

TRAININGS

- Udemy - Learn and Understand NodeJS
- LinkedIn Learning - Learning Docker
- LinkedIn Learning - Node.js: Real-Time Web with Socket.IO
- LinkedIn Learning - Python Essential Training
- LinkedIn Learning - Agile Fundation
- CertiProf - SCRUM Foundation Professional Certificate (SFPC)
- PMI - Agile Kickoff Badge
- Sololearn - C Sharp Course Certificate

OTHER EXPERIENCE

Assistant Civil Engineer

WSP (Aisa) Limited   2018 - 2021

ACHIEVEMENTS

Fall 2022 FundEvolve Hackathon at WIMTACH - Winner of website UX competition   Link

- Participated in a Finance Web App design hackathon with around 20 participants organized in 5 groups
- Collaborated effectively with a team of 3 members, contributing to the ideation, wireframing, prototyping, and UI/UX design