JAMES WONG

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SKILLS

Languages: Javascript, HTML, CSS, TypeScript, Python, PHP, Dart, Java, kotlin, Swift, SQL, NoSQL
Frameworks: Vue.js, Express.js, Nest.js, Flutter, Flask
Databases: MySQL, MongoDB, PostgreSQL, Firebase
Cloud Platform: AWS, GCP
DevOps: Git, CI/CD, Docker, Kubernetes, Terraform
Others: REST APIs, WebSocket, Postman, Google Analytics, WordPress (WooCommerce), Cryptocurrency, Web3, Pandas, Dialogflow

WORK EXPERIENCE

Software Engineer   *Apr 2022 – Jun 2023*
TuoFan IT Limited   Hong Kong

- Led the transformation of legacy systems into a **microservices architecture** leveraging **Kubernetes**, **Docker**, **Terraform**, and **GCP** compute engine, resulting in a **20%** reduction in infrastructure costs.
- Accelerated payment processing by **50%** through the implementation of the Stripe API, enhancing system efficiency and security.
- Designed a solution that enables advanced integration aggregating **Restful** & **WebSocket** APIs from cryptocurrency exchanges (Binance, OKX, Bybit) in the one unified API service offering and tested with **Postman**, resulting in the improvement in performance with up to **25%** faster data retrieval time.

Software Engineer   *Feb 2020 – Apr 2022*
Aigniter Holdings Limited   Hong Kong

- Enhanced performance efficiency by 40% through the utilization of **Nest.js** for the Fintech backend deployed in **AWS EC2 Auto Scaling group** behind an **Application Load Balancer** and integrated with **AWS RDS** for **Mysql**, serving **1000+** merchants generating **HKD$1.4 Billion GMV**.
- Built and deployed **Flutter E-Commerce IOS & Android mobile application** without downtime for **100,000 DAU**, gaining **50%** fewer crasher, **60%** faster inital load and **30%** better user rating
- Developed a **Fintech** web application, **Jarvix Pay**, utilizing **Vue.js** as the frontend framework, and seamlessly transformed it into a mobile application using **Ionic**, delivering a seamless and responsive user experience
- Developed a **Payment** Gateway plugin for e-commerce platforms (**WooCommerce**) in WordPress using **PHP**. The plugin, Jarvix Pay, enables seamless and secure payment transactions. Check out the user guide document for the plugin and the plugin information
- Implemented Elastic Search within product search service on e-commerce systems built in **AWS EC2** instances, resulting in reduced **1.2** seconds of searching time
- Implemented **GitLab CI/CD** and **AWS cloud** infrastructure to automate deployment processes, reducing deployment time by **50%**

Junior Software Engineer   *May 2019 – Dec 2019*
Pinvels (Hong Kong) Limited   Hong Kong

- Collaborated with cross-functional teams on Agile methodologies to develop a travel **IOS mobile application** by using **Swift**, achieved **20%** faster delivery
- Integrated **Python Flask** backend APIs into the mobile application, enhancing its functionality and connectivity
- Refactored legacy systems with **Git** version control system resulting in improved code quality and faster development cycles

CERTIFICATIONS

AWS Certified Solutions Architect – Associate | Amazon Web Services Training and Certification   *Feb 2024*
Google Tag Manager Fundamentals | Google Analytics Academy   *Jul 2023*
Google Analytics Certification | Google Analytics Academy   *Jul 2023*
Fundamentals of Deep Learning | NVIDIA   *Mar 2022*
ASC Student Supercomputer Challenge 2018 Final Competition | Asia Supercomputer Community   *May 2018*

EDUCATION

Hong Kong Baptist University   *Nov 2019*
Bachelor of Science (Hons.) in Computer Science & Minor in Japanese   Hong Kong