Ray Yan

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EDUCATION

UOW College Hong Kong   Hong Kong
Associate of Science in Creative and Interactive Media Production   *2019 – 2021*

SKILLS

Programming Languages: TypeScript, Python, Java (J2EE, Java 7, 8, 15), C++, Shell, Rust

Web Backend & Databases: Node.js, Next.js, Express, Fastify, Vue, Remix, MongoDB, MySQL, PostgreSQL, Redis, Django

Web Frontend: React, Vue, NextJS, RemixJS

Automation & Testing: Selenium, Playwright

Monitoring & Infrastructure: Grafana, Active Directory, JIRA

Cloud: AWS, GCP, Docker, Kubernetes

Languages: Chinese (Cantonese): Native, Chinese (Mandarin): Fluent, English: Fluent

EXPERIENCE

PCCW Solutions   Hong Kong
DevOps Engineer   *Mar 2025 – Current*

- Site Reliability Engineer for largest Hong Kong eMPF Platform - a central and integrated electronic platform to standardize, streamline and automate MPF scheme administration work.
- Design, implement, and maintain CI/CD pipelines using Jenkins and Bitbucket for deploying Web Applications, Android, and iOS applications in enterprise environments.
- Manage software deployment lifecycle on Red Hat OpenShift with Oracle Database environments, ensuring secure and reliable delivery processes.
- Integrate security tools including CyberArk, HashiCorp Vault, and Splunk to safeguard sensitive credentials and data throughout CI/CD processes.
- Collaborate with Application Teams and Testing Teams to ensure seamless version control, automated testing, and environment setup for enterprise applications.
- Deploy and configure applications on Nginx, MuleSoft API Gateway, Red Hat Directory Server, RHSSO, and Solace within private cloud infrastructure.
- Monitor CI/CD pipeline performance using Grafana dashboards and troubleshoot issues during build, testing, and deployment phases to maintain high availability.
- Manage user authentication and authorization through Active Directory integration and coordinate project workflows using JIRA for task tracking and sprint management.

Ntuple Global Limited   Hong Kong
Cloud Engineer   *Oct 2022 – Mar 2025*

- Designed and implemented system architecture to extract terabytes of data for ETL system development for the largest public railway transport in Hong Kong.
- Developed various integrations for different types of data warehouse and services.
- Developed API server using Python and Selenium/Playwright for web scraping and automation.
- Managed data storage in MySQL and Amazon S3 for efficient and secure handling.
- Conducted comprehensive training and provided ongoing support for non-technical staff.
- Provided comprehensive full-stack web development services for company clients, bringing sustainable income from multiple F&B and CRM projects.
- Managed AWS EKS, EC2, bringing intermediate level cloud infrastructure management to the company.
- Developed online ordering systems with modern security standards and payment gateway integration with Mastercard, Stripe, and GlobalPayment.

PCCW Solutions Limited   Hong Kong
Software Engineer   *Oct 2021 – Oct 2022*

- Provided on-site production and User Acceptance Testing (UAT) support for Oracle Weblogic Server to maintain server stability and reliability.
- Maintained current Java codebase and fulfilled client requests.
- Developed a backend program with Java to generate CSV files from the database for security analysis.

Chun Wo Limited   Hong Kong

Web Developer   *Jul 2021 – Oct 2021*

- Designed and created a full-stack web application with PHP framework Laravel, along with React.js and Tailwind as the frontend.
- Performed basic network security testing to find vulnerabilities and patch before production.

CERTIFICATIONS

Google IT Support: Professional Certificate/Specialization - EKHGD87ZDBYX

AWS DevOps on AWS: Professional Certificate/Specialization - 589 GROWN NW9

AWS Cloud Solutions Architect: Professional Certificate/Specialization - Z5Y82HAUG9JV

AWS Certified Cloud Practitioner: CLP - Expiration: 2027-07-14 - ID: 2f23a7d4bf484e94b5a893fc29f24ae6

AWS Certified Solutions Architect – Associate: SAA - Expiration: 2027-07-20 - ID: 6571bd4dcd3542c084961a64105304f1

Linux Foundation Certified Kubernetes Application Developer: CKAD - ID: LF-sxumuxu0ty