


# Johnson Shan

 Toronto, On

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 [github.com/JohnsonShan](https://github.com/JohnsonShan)

 [johnsonshan.portfolio](#)

## Summary

- Software engineer with 4 years of experience.
- Proficient in Python, Flask, Node.js, Express, React.js, and Next.js.
- Certified by both Azure and AWS in Cloud solutions and DevOps solutions.
- Strong in problem-solving with a "get things done" attitude.

## Professional Experience

Software Engineer      Manpower Services Limited      08/2022 - 06/2023

API / Python / Flask / Node.js / Azure / Microservices / Serverless

- Responsible for system integration **API development** between websites, mobile apps, CRM, ERP, etc. using **Python, Flask, Node.js, Azure** etc.
- Built **integration API** for invoicing service and reduced manual workload by 50%.
- Worked on **on-premises to cloud migration** with third-party vendors and increased the service's scalability and availability by 100%.
- Implemented a high availability(HA) architecture and disaster recovery(DR) plan to increase service availability and securability, downsized idling resources and set up auto-scaling policies to reduce hosting costs by 20%.
- Implemented **Azure Active Directory integration**, centralized identity and access management(IAM), reduced manual workload by 80%.
- Implemented **DevOps CI/CD** pipelines using GitHub Actions, Jenkins, and SonarQube.

Software Engineer      Hong Kong Broadband Network      10/2021 - 08/2022

API / Python / Node.js / AWS / Redis / ECommerce platform

- Responsible for API development, for an **E-commerce platform** using **Python, Node.js, AWS, EC2, S3, API Gateway, CloudWatch, ElastiCache Redis**, etc.
- Integrated with the content management system(CMS) Squidex.
- Write API documentation using Swagger, conduct stress tests using JMeter, and set up API monitoring using Postman.
- Reduced hosting and license costs by **\$200,000 CAD** through a successful migration.
- Enhanced **ECommerce API** including product service and cart service, using Algolia and Redis, reducing the response time from **5s to within 1s**.

Web Developer                      Fimmick                      10/2020 - 10/2021

Javascript / React.js / Node.js / Python / Tailwind / jQuery / Bootstrap

- Responsible for Web development, including both **Frontend and Backend**, integration with third party API, using **React.js, Python, Node.js, Tailwind, jQuery, Bootstrap** etc.
- Implemented data services using **Google Analytics and API Webhooks**, export the data to a reporting database, and generate CSV reports.
- Built messaging service for schedule **push notifications, SMS, and marketing email** for marketing events
- Built 10+ campaign websites for famous MNCs such as **Abbott, Nestle, Coca-Cola, and McDonald's**.
- Built a rewards website to serve 10,000+ customers.
- Implemented a **2FA (two-factor authentication)** feature.

Developer                      The Pacific Insurance Co., Ltd.                      10/2019 - 10/2020

Java / JDBC / SQL

- Responsible for developing **quotations services** and **report services** using **Java and SQL**.
- Built a customer-facing premium calculator.
- Automated the quotation process and improved the processing time by 50%.

## Education

Bachelor of Engineering                      [City University of Hong Kong](#)                      2020  
Major in Electronic Information Engineering

## Certifications

<a href="#">Microsoft Certified: Azure Solutions Architect Expert</a>	Microsoft	2023
<a href="#">Microsoft Certified: DevOps Engineer Expert</a>	Microsoft	2023
<a href="#">Microsoft Certified: Azure Administrator Associate</a>	Microsoft	2023
<a href="#">AWS Certified Solutions Architect – Associate</a>	AWS	2022

## Skills & Tools

Cloud	Azure, AWS
Programming Language	Python, Node.js, PHP, HTML, CSS, Typescript, Javascript
Framework	Flask, Express, Laravel, React.js, Gatsby, Next.js, Tailwind, jQuery, Bootstrap
Database	MongoDb Atlas, DynamoDB, SQL Server, PostgreSQL, MySQL, Redis
Devops	GitHub, GitHub Action, Azure DevOps, Jenkins, Ansible, Terraform
Methodologies	Scrum, Agile
Others	RESTful, GraphQL, Docker, Microservices, Kubernetes, Serverless, Jira, ITIL, Postman, Jmeter, Swagger, DR, HA, CICD, CloudWatch, S3, EC2, Lambda, Unit Test, Azure Active Directory, OAuth
Languages	English, Chinese (Cantonese and Mandarin)