

# Johnson Shan

🏠 North York, Toronto, On

☎ +1 (416) 627-5761

✉ [johnsonshan951101@gmail.com](mailto:johnsonshan951101@gmail.com)

🌐 [linkedin.com/in/johnson-shan-b9a373168](https://www.linkedin.com/in/johnson-shan-b9a373168)

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

🔗 [leetcode.com/b081148/](https://leetcode.com/b081148/)

## Summary

Highly experienced and motivated Software Engineer with 3 years experience of software development and enhancement and system support and maintenance on enterprise-grade applications. Proficient in **Python, NodeJS, Azure, AWS** and familiar with enterprise methodologies such as Agile, Scrum and SDLC. Adept at working independently, mentoring and supporting colleagues, ensuring compliance with security and change management directives, and identifying continuous improvement opportunities. Passionate about creating innovative solutions that improve user experience and drive business growth.

## Work Experience

Software Engineer [Manpower Services Limited](#)

08/2022 - 06/2023

API / NodeJS / Python / Azure / AWS / Microservices / Serverless

- Contract to [West Kowloon Cultural District Authority](#)
- Responsible for system integration APIs development between websites, mobile apps, Salesforce CRM, Oracle ERP, etc. using **AWS API Gateway, AWS Lambda, Azure APIM, Azure Functions**, etc.
- Built **integration APIs** 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 / NodeJS / Express / AWS / Redis / ECommerce platform

- Responsible for API development, for an **E-commerce platform** using **AWS Lambda, API Gateway, CloudWatch, ElastiCache Redis**, etc.
- Integrated with the content management system(CMS) Squidex.
- Write unit tests using Jest, 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 APIs** 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 / NodeJS / Express / Python / Django / HTML / CSS / Facebook API

- Built campaign websites, customer loyalty websites, and Facebook / WhatsApp chatbots.
- 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, including both front-end and back-end, 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, NodeJS, Java, PHP, HTML, CSS, Typescript                                                                                                                                           |
| Framework            | Django, Express, React, Spring Boot, Laravel, Jest                                                                                                                                         |
| Database             | MS SQL, MySQL, Oracle DB, DynamoDB, Cosmos DB, Redis                                                                                                                                       |
| Devops               | GitHub, GitHub Action, Azure DevOps, Jenkins, Ansible, Terraform, SAM, Serverless                                                                                                          |
| 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)                                                                                                                                                  |