



Johnson Shan

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Summary

Software engineer with 5 years of full-stack web development experience, specializing in Python, Node.js, and React.js. Certified in cloud and DevOps solutions by Amazon Web Services (AWS), with extensive hands-on experience in various AWS services, including AWS Lambda, EC2, S3, API Gateway, CloudWatch, ElastiCache (Redis), and DynamoDB. Known for strong problem-solving abilities and a "get things done" attitude. Committed to continuous learning and growth, seeking new challenges and opportunities to enhance skills and contribute to innovative software solutions.

Work Experience

Full Stack Developer Xennial Innovations Inc. Toronto, Canada 02/2024 - 04/2025

- Developed and maintained the Bombardier **E-commerce platform**, using **React, Node.js, TypeScript, Amazon Web Services (AWS)** etc.
- Upgraded SOAP API to **REST API** and migrated to a standalone **microservice architecture** for improved performance and scalability. Refactored codebase from **Node.js** to **TypeScript** for improved type safety and maintainability.
- Integrated **FedEx API** for estimating shipping costs, enhancing user experience and operational efficiency.
- Developed middleware to handle API requests, ensuring efficient data processing and response management.
- Implemented a session kickout feature to enhance security and user experience.

Software Engineer Manpower Services Ltd. Hong Kong 08/2022 - 06/2023

- Responsible for system integration **APIs development** between websites, mobile apps, CRM, ERP, etc. using **Python, Node.js, Amazon Web Services (AWS), Microsoft Azure** etc.
- Built integration APIs for invoicing service and reduced manual workload by 50%.
- Worked on migrating on-premises CA Layer 7 APIs to **AWS Lambda**, successfully migrating over 100 APIs and increasing the service's scalability and availability by 100%.
- Implemented a high-availability (HA) architecture and disaster recovery (DR) plan to increase service availability, downsized idle resources, and set up auto-scaling policies to **reduce hosting costs by 50%**.
- Implemented **DevOps CI/CD** pipelines using GitHub Actions, Jenkins, and SonarQube, resulting in a 50% reduction in deployment time and a 25% increase in team productivity.

Software Engineer HKBN Hong Kong 10/2021 - 08/2022

- Developed APIs for an E-commerce platform using **Python, Node.js**, and Express, leveraging **AWS** services including **AWS Lambda**, EC2, S3, API Gateway, CloudWatch, ElastiCache (**Redis**), and **DynamoDB**.
- Successfully migrated 50+ APIs from MuleSoft to **AWS Lambda**, resulting in a reduction of hosting and licensing costs by **\$200,000 CAD**
- 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**.
- Enhanced **Product Searching APIs**, using Algolia and Redis, reducing the response time from **5s to within 1s**.

Web Developer Fimmick Ltd. Hong Kong 10/2020 - 10/2021

- Responsible for Web development, including both **Frontend and Backend**, integration with third party API, using **React.js, Next.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 customer loyalty web app to serve **10,000+ customers**.
- Implemented a **2FA (two-factor authentication)** feature.

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

- Responsible for developing **quotations services** and **report services** using **Java Spring Boot**.
- 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

Microsoft Certified: Azure Solutions Architect Expert	Microsoft	2023
Microsoft Certified: DevOps Engineer Expert	Microsoft	2023
Microsoft Certified: Azure Administrator Associate	Microsoft	2023
AWS Certified Solutions Architect – Associate	Amazon Web Services	2022

Skills & Tools

Cloud	Microsoft Azure, Amazon Web Services (AWS)
Programming Language	Python, Node.js, Java, PHP, Typescript, Javascript, HTML, CSS
Framework	Django, Express, Spring Boot, Laravel, React.js, Next.js, Gatsby, Tailwind, jQuery, Bootstrap
Database	PostgreSQL, MySQL, Redis, DynamoDB,
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)