


Johnson Shan

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 github.com/JohnsonShan

 johnsonshan-portfolio.netlify.app

Summary

- Software engineer with 4 years of experience in full-stack development.
- Proficient in Python, Flask, Django, Node.js, Express, React.js and Next.js.
- Certified by both Azure and AWS in Cloud solutions and DevOps solutions.
- Excel in data structures and algorithms, completed 400 LeetCode problems.
- Ever-evolving portfolio website: johnsonshan-portfolio.netlify.app.
- Strong in problem-solving with a "get things done" attitude.

Professional Experience

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

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

- Responsible for system integration **API development** between websites, mobile apps, CRM, ERP, etc. using **Python, 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, successfully migrating **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, achieve a **99.95% SLA**, downsized idle resources, and set up auto-scaling policies to **reduce hosting costs by 50%**.
- 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, resulting in a 50% reduction in deployment time and a 25% increase in team productivity.

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

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

- Responsible for API development, for an **E-commerce platform** using **Python, Node.js, Express, AWS, EC2, S3, API Gateway, CloudWatch, ElastiCache Redis, DynamoDB**, 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 Ltd. 10/2020 - 10/2021

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

- 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 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 / Spring boot

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

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|---|-----------|------|
| 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 | AWS | 2022 |

Skills & Tools

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|----------------------|--|
| Cloud | Azure, AWS |
| Programming Language | Python, Node.js, Java, PHP, Typescript, Javascript, HTML, CSS |
| Framework | Flask, Express, Spring Boot, Laravel, React.js, Next.js, Gatsby, Tailwind, jQuery, Bootstrap |
| Database | PostgreSQL, MySQL, SQL Server, Redis, MongoDB Atlas, 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) |