




Johnson Shan

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Summary

Software engineer with 4-years of full stack web development experience specializing in Python, Node.js and React.js. Certified in Cloud solutions and DevOps solutions by both Microsoft Azure and Amazon Web Services (AWS). Excel in data structures and algorithms, having successfully completed 400 LeetCode problems. Known for a strong problem-solving ability and a "get things done" attitude. Committed to continuous learning and growth. Seeking new challenges and opportunities to further enhance skills and contribute to innovative software solutions.

Work Experience

Software Engineer Manpower Services Limited 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 **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 HomePlus Ltd. 10/2021 - 08/2022

- Responsible for API development, for an **E-commerce platform** using **Python, Node.js, Express, Amazon Web Services (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 **Product Searching APIs**, using Algolia and Redis, reducing the response time from **5s to within 1s**.

Web Developer Fimmick Ltd. 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. 10/2019 - 10/2020

- 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

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, 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)