Johnson Shan

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Summary

Highly skilled and experienced software engineer with four years of expertise in full-stack development. Proficient in a wide range of technologies including Python, Flask, Django, Node.js, Express, React.js, and Next.js. Certified in Cloud solutions and DevOps solutions by both Azure and 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. Currently maintaining an ever-evolving portfolio website at johnsonshan-portfolio.netlify.app. Seeking new challenges and opportunities to further enhance skills and contribute to innovative software solutions.

Professional 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, 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

- 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
- 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
- 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	AWS	2022

Skills & Tools

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)