Zephyr (Xiangming) Zeng

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Summary

Goal-oriented and professional Software Engineer with 5 years of experience specializing in both front-end and back-end web application development. Proficient in JavaScript/TypeScript (React), .NET, RESTful APIs, and GraphQL. Strong hands-on experience with CI/CD pipelines, DevOps practices, and cloud platforms including Azure and Aws. Proven ability to work effectively in agile environments and consistently deliver production-ready projects used by large user bases on time.

Skills

Languages:	**C#,** JavaScript, **TypeScript,** Java
Web tech:	**.NET**, **Restful API,** GraphQL,
Front end:	**React**, Redux, React Query, **Next.js**, React Hooks, MUI
DB:	SQL, MySQL, Cosmos DB, PostgresQL DB, DynamoDB
Cloud & Tools:	Azure, AWS, Git, Docker, Github Copilot/CodeX

Work Experience

Full Stack Software Engineer   01.2025 - present   **JB Hi-Fi Head Office**

Description: High-traffic e-commerce platform supporting JB Hi-Fi's national retail operations, covering core customer journeys including cart, products page, coupons, and analytics.

Technologies: TypeScript, **React**, Java, **.Net**, RESTful API, GraphQL, Azure Function, Service Bus

- Developed SPA using TypeScript, **React,** Next.js (Redux, **React Query**), GraphQL
- Implemented API using **.NET**, Azure Function, Cosmos DB and Service Bus for **event driven architecture.**
- Built pipelines using GitHub Actions and ARM templates, optimizing deployment workflows to support faster and more reliable releases.
- Implemented unit tests for React components using Jest, and backend service layer logic using xUnit.
- Troubleshot production incidents, applied hotfixes, and released patches as needed.

Full Stack Software Engineer   07.2021 - 11.2024   **Arden Street Labs**

Description: Digital health solutions including patient monitoring, COVID contact tracing, endoscopy systems, and medical device management platforms.

Technologies: JavaScript, Node, Next.js, SQL, AWS EC2, RDS, **Lambda,** S3 Bucket, SNS, SQS

- Developed **RESTful APIs** with RDS for massive medical data processing and complex query handling.
- Collaborated closely with designers and implemented design system (React components), also using MUI and CSS for complex UI interactions
- Built a patient pub-sub system using Node.js, DynamoDB, AWS SNS, SQS, and **AWS Lambda.**
- Created **AWS CloudFormation** templates to deploy web applications to EC2 and Lambda using S3 for artifact storage.

- Improved SEO by implementing SSR using **Next.js**, successfully reduced page loading time by 40%

Certificates

Azure Developer Associate | AWS Certified Developer Associate

Education

2019 - 2021   Monash University
                Major: Master of Information Technology

2015 - 2019   Anhui University of Technology

                Major: Bachelor of Accounting and Finance