Isabella Chen

Software Engineer

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SUMMARY

A proficient Software Engineer with 3 years of experience in the Microsoft ecosystem, specializing in building distributed microservices with C# and .NET Core. Experienced in deploying applications to Azure and utilizing cloud-native services to build resilient and scalable systems.

STRENGTHS

Microservices with .NET Core: Expertise in designing and building fine-grained, independent microservices using ASP.NET Core for web APIs.

Microsoft Azure Cloud: Skilled in using a variety of Azure services to support a microservices architecture, including Azure Kubernetes Service (AKS), Service Bus, and Cosmos DB.

Asynchronous Programming: Deep understanding of async/await patterns in C# for building responsive and non-blocking services.

Clean Architecture: Applies principles of clean architecture to create systems that are testable, maintainable, and loosely coupled.

TECHNICAL SKILLS

Languages: C#, SQL, JavaScript

Frameworks & Platforms: .NET Core, ASP.NET Core, Entity Framework Core, MassTransit

Cloud & DevOps: Microsoft Azure (AKS, Service Bus, Cosmos DB, Azure DevOps), Docker, Kubernetes

Databases: SQL Server, Cosmos DB, Redis

PROFESSIONAL EXPERIENCE

Software Engineer | Axon Financial Tech | July 2022 - Present

- Develops and maintains microservices for a loan processing platform using .NET Core, deployed as containers in Azure Kubernetes Service (AKS).

- Implemented an event-driven communication pattern between services using Azure Service Bus, improving system decoupling and resilience.

- Contributed to the design and implementation of a new data persistence strategy using Cosmos DB for high-throughput, globally distributed data.

- Participated in code reviews and architectural planning sessions, advocating for best practices in microservice design and development.

- Wrote integration tests to ensure reliable communication and data consistency between different microservices.

PROJECTS

Order Processing Microservices: Built a proof-of-concept system for processing e-commerce orders using a set of .NET Core microservices. The services communicate asynchronously via a message bus and demonstrate a clear separation of concerns.

EDUCATION

Bachelor of Science in Computer Engineering | North Carolina State University | 2018 - 2022

CERTIFICATIONS

Microsoft Certified: Azure Developer Associate (AZ-204) | 2024