

# Hamza Naseer

(Full Stack Developer (.NET, Angular))

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## **Summary of Qualifications:**

A challenging position in a reputable organization to expand my learnings, knowledge, and skills, while making a significant contribution to the success of the company.

## **Education:**

### **Bachelor in Computer Science**

College of Staten Island

*Feb. 2019 to November 2023*

## **Work Experience:**

### **Full Stack Developer (.NET, Angular)**

Innovision Tech, LLC - Brooklyn, NY

*DEC 2019 to Present*

Innovision Tech, LLC is a digital transformation consultancy and software development company that provides cutting-edge engineering solutions, helping companies and enterprise clients untangle complex issues that always emerge during their digital evolution journey. I have worked on multiple projects (Health Care Solutions, ERP Systems) and contributed to back-end development using .NET technologies and Front-End development using Angular or React.

## **Responsibilities:**

- I have implemented a multi-container microservice application. Each container a developed using ASP.NET Core running on a NET Core container.
- I use the API Gateway pattern which acts as a "backend for frontend" (BFF). It acts as a reverse proxy, routing requests from clients to services. It provides other cross-cutting features such as authentication, SSL termination, and cache. I implemented the Envoy API gateway using the .yaml file. It haves the below features worked on these using the Envoy API gateway:
  1. Automatic translation from/to gRPC to/from HTTP/REST.
  2. Authentication and Authorization management
  3. Cache support
- I implemented the HTTP aggregators using Web.Bff.Shopping folders.
- I implemented RabbitMQ and Azure Service Bus for messaging abstraction.
- I implemented simple CRUD data-driven microservice that uses Redis for persistence.

- I implemented simple CRUD data-driven microservice that uses EF core and SQL server.
- I worked on the MVC UI microservice, a traditional MVC web application.
- I worked on the SPA UI microservice, an Angular-based SPA application.
- I worked on Unit Tests/Functional Tests and Integration Tests.
- I worked on gRPC. gRPC is an RPC-based protocol that has great performance and low bandwidth usage, making it the best candidate for internal microservices communication.
- I worked on Domain-driven design (DDD) using Bounded Context which divided the entities of my project with the business domain entities of the application.
- I use CQRS, for Command and Query Responsibility Segregation architectural patterns for the microservices.
- I use Asynchronous protocol like AMQP (a protocol supported by many operating systems and cloud environments) for sending messages using RabbitMQ queue or any other message broker.
- I implemented the health checks in ASP .NET core microservices using the package `AspNetCore.Diagnostics.HealthChecks` checks the Liveness of the microservices and the Readiness of the dependencies of microservices. I worked on the Web Status microservice, a health monitoring application, based on the open source `Xabaril/AspNetCore.DiagnosticsHealthChecks` project.
- I use `Microsoft.Diagnostic.EventFlow`, collects event streams from multiple sources and publishes them to output systems like Azure Monitor and Azure Diagnostics and displays them in the portal in Azure.
- I used the Polly library to implement resiliency in the microservices. The HTTP calls resiliency is implemented using a Linkerd mesh, that handles retry in a transparent and configurable fashion, within a Kubernetes cluster, without having to handle those concerns in the code.
- I worked on a Security Token Service (STS), based on Identity Server 4, that also uses SQL Server for persistence using the Identity microservice. I use the ASP.NET Core Identity stores user information (including sign-in information, roles, and claims) in a data store configured by the developer.
- I use the JWT bearer token to Authenticate the microservices at the API gateway level.
- I use the Azure Key Vault and Azure MSI to avoid keeping secrets in our application.
- I use Serilog and Seq for logging in to the microservices application. I use Application Insights.
- Implemented a bunch of useful ASP.NET Core extensions and middleware, such as a distributed cache with fallback logic, Code and database performance optimization
- I implemented the Azure Redis Cache service, Azure Service Bus service, Azure Storage Account service, Azure SQL Database, Azure Cosmos DB, Azure Functions, Azure Cognitive Search Service.

- Modelled and configured both a traditional RDBMS using SQL Server as well as a NoSQL solution. Designing and developing NoSQL databases: MongoDB, Cosmos DB, DynamoDB.
- Document, develop, and test features on an iterative basis using the AGILE and SCRUM approach.
- Participated in requirement analysis and requirement gathering in the Agile environment.
- Participated in business analysis team discussions, code reviews, and common meetings for the agile software development process.

### **Technologies:**

gRPC	Envoy	APIs	RabbitMQ
Azure Service Bus	Redis	Unit Tests	Functional Tests
Integration Tests	Domain-driven design (DDD)	Bounded Context	CQRS
AMQP	RabbitMQ	Health Checks	Azure Monitor
Azure Diagnostics	Polly	Linkerd	Kubernetes
SQL Server	ASP.NET Core Identity	JWT bearer token	Azure Key Vault
Azure MSI	Seri log and Seq	SQL Server	MongoDB
Cosmos DB	DynamoDB	Agile	Scrum

### **Full Stack Developer (.NET, React)**

Kanrix Technologies LLC- Clarion, PA

*Dec 2016 to Nov 2019*

Kanrix Technologies LLC is a fast-growing SaaS tech company specializing in group booking solutions, fare distribution, air shopping, and ticketing systems for airlines. Solutions developed by Kanrix Technologies LLC used by some of the world's largest and most respected airlines, which is a testament to our passion for creating quality and innovative software solutions.

I have worked and contributed to the development of booking and ticketing solutions as a team member where I was responsible for back-end development using .NET technologies and front-end work that was a mixture of razor views and React-based views.

#### **Responsibilities:**

- Provided ongoing services as a remote ASP.NET Core/C#/.NET developer/ASP.NET Core with Razor / ASP.NET Core with Blazor views and

including dependency injection (DI) and Entity Framework Core, identity user, role, and claims management.

- Developed pages using components such as Angular Bootstrap grid, scheduler, tabs, and other input components and Used CSS Pre-Processes LESS for an improved organization of Style sheets. ASP.NET, including Blazor, JQuery, MVC, Web API, and our internal NuGet package distribution.
- Test and deploy applications and systems.
- Proficient in developing applications using MVC, Blazor server - side and WEB API with Entity Framework.
- Strong proficiency in JavaScript, including DOM manipulation and the JavaScript object model. Thorough understanding of Angular and its core principles.
- Hands-on experience with DevOps tooling (such as Azure DevOps) is a plus.
- Experience with popular React.js workflows (such as Flux or Redux)
- Familiarity with newer specifications of EcmaScript.
- Experience with .NET Framework 4.7.
- Experience with data structure libraries (e.g., Immutable.js).
- Solid programming skills using MSFT platforms, SOAP / REST Web Services, XML, JSON, WCF, Angular.
- Knowledge of modern authorization mechanisms, such as JSON Web Token.
- Familiarity with modern front-end build pipelines and tools.
- Experience with common front-end development tools such as Babel, Web pack, NPM, Grunt, Gulp, etc.
- Hand on and implements complex AngularJS applications, directives, controllers, and services.
- Expert in any one of the modern JavaScript MV-VM/MVC frameworks (AngularJS, JQuery, GruntJS).
- Familiar with testing frameworks (Ex. Jasmine, Karma)
- Implemented automated tests: unit tests, integration tests, functional tests, and automated UI tests. Designed ASP.NET Core integration tests with xUnit and Oversimplification.
- Built a notification API for delivering various kinds of notifications to the platform users.
- I am worked on AWS lambda function, SQS, SNS, and Elastic Search.
- Developed server-side microservice APIs with external and cross-component dependencies in an Azure Kubernetes Service environment.
- Documented the API with Swashbuckle (.NET port of Swagger UI).
- Integrated Amadeus, NDC British Airways, Travel Port, Galileo, World Span, Sabre, Apollo web services and APIs for Flight availabilities, Flight Quotes, Booking, Ticketing, and Pre/Post Ticket amendments.
- Used XSLT for the transformation of response into the JSON Formatting and de-serialize into the objects

**Technologies:**

ASP.NET	ASP.NET Core 3.1	Google Maps API	APIs
C#	React.js	Redux	ECMAScript
AWS	NPM	Angular	HTML
SQL	Web Services	Gulp	CSS
Grunt	Web Pack	Babel	.NET
Model View Controller (MVC)	Software Architecture (VSTS)	Microsoft SQL Server	Entity Framework Core
Visual Studio	ASP.NET Core MVC 2	SendGrid	Team Services
GIT	Bootstrap	xUnit	Azure Blob Storage
Authentication	Swagger	API Design	Jira
SendGrid	.NET Framework 4.7	Twilio	Unity
ASP.NET Web API	JavaScript	AutoMapper	.NET (Core) 6
SignalR	API Design	.NET Core	DI
ASP.NET Core 2	Atlassian Confluence	Angular2+	Razor
Serilog	Azure Websites	ASP.NET	Azure Search
AutoMapper	Hang fire	Entity Framework	NuGet

**Full-Stack Skills:**

ASP.NET	SQL	Typescript	GraphQL
C#	JavaScript	XSLT	XMLml
ASP.NET MVC 6	ASP.NET Identity	ASP.NET Core MVC	.NET 5
SQL Management Studio	MySQL	Microsoft SQL Server	API Design
ASP.NET	MVC	PostgreSQL	ASP.NET Core 3.1
Swashbuckle	T-SQL	Node.js	.NET Core
JSON	API's	ASP.NET 4.5	MVC
Angular	Angular 4.0 +	Angular 11+	Angular 8+
SQLql	HTML	CSS	ASP.NET Razor
Software Troubleshooting (4 years)	Windows Communication Framework (WCF)	Google Kubernetes Engine (GKE)	Visual Studio Team Services (VSTS)
Ado.NET	Agile	SDLC	SVN
WCF	Rest	AWS	Apache
Jira	OOP	SOAP	CI/CD
DI	Ajax	Docker	Payroll

GitHub	React	Redux	Newton soft JSON
Swagger	Blazor	Entity Framework Core	Bootstrap 3+
Azure DevOps Services	Azure SQL Databases	JSON Web Tokens (JWT)	Azure Blob Storage API
NHibernate	Unity	xUnit	Git
TFS	Azure Search	Azure Blobs	Azure Websites
Azure Queues	Azure Cosmos Db	Twilio API	JSON API
Fluent API	Moq	LINQ	jQuery DataTables
SignalR	AutoMapper	SendGrid API	Jquery
MediatR	Open API	Chart.js	Google Maps API
MSTest	VSTest	Bitbucket	Hangfire
Castle Windsor	StyleCop	LINQ to SQL	xUnit.net
Sonar Cloud	EF6 Code First	CSV Expert	Visual Studio 2019
Authentication	Visual Studio	Windows Services	Web Services
Entity Framework	Web Assembly	CSV File Processing	Software Architecture
Software Development	Bootstrap	Development	Application
Visual Basic	SCSS	OKTA	Test automation
Front-End Development	SSRS (3 years)	ECMAScript	Unit Testing
System design	Analysis skills	User Interface (UI)	root cause (5 years)
Root cause analysis (4 years)			

## **Languages:**

*English - Fluent*