

KAPIL KHUBCHANDANI

[.net | Docker | Kubernetes | Angular] Developer

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Overview

I have more than 10 years of experience in .net eco system coupled with angular and containerization technologies Docker and Kubernetes. I am living in Germany since May 2023 and have right to work.

Recent works & Expertise

- Designed and developed **nuget kafka consumer and subscriber with retry ability**. This package helped **achieve 0% message loss for critical and highly used microservices** which were previously designed as rest client. This package uses **C# Expression Trees** for calling consumer methods. ([producer design](#)/ [consumer design](#)).
- **Brought down .net microservices app-setting configurations by 80-90%** by writing custom config provider using redis and database. ([solution design](#)).
- I have written custom **redis cache provider** which has **improved application performance by 60-70%**. (measured through dynatrace)
- **Written logging provider which needs 0% configuration** by developers **regardless of the environment** to put logs in **Dynatrace and Elasticsearch** using **sirilog**. ([solution design](#))
- Designed and developed **distributed signalr hub** and **angular element client** which is being used across multiple applications. ([solution design](#))
- Designed and developed **Identity Sever based oauth2 and open id connect** identity provider which is being used across multiple applications.
- Leading team member responsible for moving applications **from IIS to Tanzu Kubernetes**. The activity involves analyzing existing code-base, identifying non cloud compatible code and fixing them. **I helped teams write Kubernetes manifests files with Helm**.
- **Good knowledge in AKS , Azure Identity model, AKS networking model (kubenet and Azure CNI)**. I have written and deployed [my website](#) with AKS and [Github actions](#) ([source code](#)).
- **10+ years of experience** in writing C# and .net applications including **web api, asp.net mvc , .net core**.

- **5+ years of experience** in writing angular applications. This includes various patterns such as **nx mono repo, ngrx and angular elements**.
- **4 years of experience** in writing **.net core microservices with DDD, CQRS and mediatR** based solutions.
- **Designed and developed solution architecture** for both angular and .net core applications at my current organization.

Skills and Technologies

Technologies	ASP.NET Core, Web APIs, EFCore, Xunit, Angular, MVC Razor Pages, Kafka, SignalR, Microsoft Graph, Docker, Kubernetes, Helm, Angular Elements, Rxjs, Nx Mono Repo, Redis
Languages	C#, SQL, Typescript
Application/ Web Servers	Kubernetes, IIS
Tools	Visual Studio, Github, VSCode, Azure Devops
CI/ CD	Github Actions, Azure Devops yaml pipelines
Software Development Methodologies	Agile

Promotions & Recognitions

- Earned a Promotion at ADEK from **Application Developer** Role to **Applications Architect**. (2023)
- Won **2nd position** at Fiserv Coding Architecture challenge. (2016)
- Won **2nd position** at Infosys software development competition across north India. (2011)

Education & Degree

- **B.Tech** in Information Technology from Jaipur Engineering College & Research Centre affiliated to Rajasthan Technical University.

Websites and important links

1. **LinkedIn:** Here, I often write about the technologies, tips & tricks I have learnt throughout my career.
<https://www.linkedin.com/in/kapil-khubchandani-9777b730/>
2. **Github:** This is my individual working space, where I learn, explore, and commit code for my own learning. **I have also been a contributor of Dynatrace Sirilog sink.**

Project summaries and my roles & responsibilities.

Other than projects mentioned in section “Recent works and expertise.” I have been involved in the projects mentioned below.

Department of Education and Knowledge, Abu Dhabi (UAE) 2019- current

1. **ADScholarships:** This is a project by which students living across UAE can apply for scholarships. The project not only helps the **Department of Education & Knowledge, Abu Dhabi (UAE)** identify worthy candidates but also help them to track scholars’ performances, managing monthly payroll of selected students, 360 degree support to students by arranging one to one sessions and coordinating with UAE embassies across the world.
 - **Role:** Team lead, architect and senior developer.
 - **Technologies:** Angular 8-14, Asp.net mvc, .net core 2.2 – 7.0 mediatR, CQRS, DDD, xunit & Moq, Microservice, SQL Server, Azure Devops,
 - **Server** IIS recently migrated to Kestrel + Kubernetes and Docker on Tanzu TKG.
 - **Organization:** Department of Education & Knowledge, Abu Dhabi (2019 August -Current)

 2. **Housing System:** Department of Education & Knowledge, helps their employees by taking care of their residential needs by providing them rented accommodation. For this, a portal was developed for employees to apply for accommodation. The application process involves inspection, approval, and fund disbursement.
 - **Role:** Team lead, architect and senior developer.
 - **Technologies:** Angular 8-14, .net core 2.2 – 7.0 mediatR, CQRS, DDD, xunit & Moq, SQL Server, Azure Devops,
 - **Server** IIS.
 - **Organization:** Department of Education & Knowledge, Abu Dhabi (2019 August-Current)

 3. **Adek Authentication:** The umbrella of ADEK apps consists of 20+ applications. All of them are integrated with Adek Authentication. Its an **identity server 4** based solution to provide not only single sign-on capabilities but also maintaining roles, permission across both JavaScript and server-side applications.
 - **Role:** Only developer.
 - **Technologies:** Identity Server 4, Open id Connect, OAuth 2.0
 - **Server** IIS.
 - **Organization:** Department of Education & Knowledge, Abu Dhabi (2019 August-Current)
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Iris Technology 2018 December to 2019 August

4. **Regulatory Portal:** The regulatory portal, was a portal developed for Govt. of Oman for managing the health insurance in the country. This portal never materialized for production use case.
 - **Role:** Team leader

- **Technologies:** Angular 6-8, .net core 2.2, angular material, xunit & Moq
 - **Server** IIS.
 - **Organization:** IRIS Technology (2018 December – 2019 August)
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L&T Infotech 2017 August to 2018 December

5. **Paris:** PARIS (Participations, Admin and Residual System), an enterprise application, used in media houses such as Viacom, Paramount, Fox Studio and MTV. Its application used to calculate share for any product such as movies or series for various stakeholders associated to the products.
 - **Role:** Team Member
 - **Technologies:** Angular 4-7, .net core 2.2, angular Telerik Controls, Classic ASP, xunit & Moq
 - **Server** IIS.
 - **Organization:** L&T Infotech (2017 August – 2018 December)

Other than these last 5 projects, I have also work with **Newgen Technologies (March 15 - Nov 15,,)**, **Fiserv(Nov 15- July 17)** and **Tata Consultancy Services (Jan 2013 – Feb 2015).**

Language Skills

- English: Business Fluent
- German: basic (A1 level)
- Hindi: Business Fluent

Hobbies

Playing/Following Cricket, current affairs, watching sports documentaries on Netflix, writing technical posts on linkedin, attending technical meetups and delivering meetups internally on Microsoft Teams.