PERSONAL INFORMATION

Enrique Catalá Bañuls

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𝐢𝐧 https://es.linkedin.com/in/enriquecatala

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🐦 @enriquecatala

Sex Male | Date of birth 25/04/1981 | Nationality Spanish

BIO

I´m a Computer Engineer with +17 years of experience in DataPlatform, I´m also a Microsoft Data Platform MVP, Certified Azure Data Scientist, Certified Azure Data Engineer, Certified Kubernetes Administrator currently working as *Data & AI technical leader* at Verne Technology Group with focus on Data Engineering and Artificial Intelligence. I´m very passionate and mainly focused in Natural Language Processing, multi-variate time series forecasting problems and High Availability OLTP systems, including Azure Cloud and On-Premises, where I successfully led more than 150 projects not only in Spain but in different countries like USA ,United Arabs Emirates, Netherlands , Mexico , Saudi Arabia, Austria...

WORK EXPERIENCE

October 2020 – Present

Data & AI Technical Lead
Verne Technology Group (https://www.vernegroup.com/)

- Envision and lead projects that involves data engineering and artificial intelligence pipelines
- Research in the deeplearning field trying to apply new techniques and better architectures that help our customers achieve the best of the best when working with natural language processing
- Define and develop Kubernetes architectures to work with our customer´s needs
- Help to fine tune and troubleshoot complex scenarios related with DataPlatform and AI, which includes Clustering, Kubernetes, AlwaysOn, replication, Service Broker,…in both Azure and OnPremises architectures
- Create new learning material for in-house colleages and verne customers in the areas of DataPlatform, Kubernetes and AI
- Be Azure Data Platform evangelist with customers (by participating in public events)

January 2020 – October 2020

Technical Leader
SolidQ (www.solidq.com)

- Be Azure Data Platform evangelist with customers (by participating in public events)
- Be the point of contact with the customers that require advanced knowledge in the Data Platform area
- Focus on get and maintain the edge of the technical knowledge in Azure and the data platform state, to share with my colleagues and help them achieve better results
- Be part of the engineering team of some of the tools that SolidQ is leveraging internally to improve their services
- Help to achieve the best performance, scalability and security for the solution implemented to my customers
- Define, fine tune and troubleshoot complex scenarios related with DataPlatform, which includes AlwaysOn, replication, Service Broker, Clustering, Kubernetes, Docker,…in both Azure and OnPremises architectures

January 2019 – 2020

Spain Relational Team Leader
SolidQ (www.solidq.com)

- Understand my customers to end with the best architecture for their needs
- Create and manage the entire project portfolio with time, milestones, resources
- Help my sales team with successful engagements with customers
- Help my team to achieve the best implementation for the solutions they are working on (in the data platform area)
- Be a reference person when dealing on complex architecture designs/implementation that requires specific skills on the Data Platform area

January 2008 – 2019

Mentor
SolidQ (www.solidq.com)

- Improve the ROI of the customer by improving their architecture
- Design and implementation of highly scalable and reliable OLTP solutions in critical systems (banking, insurance, online payment methods, e-commerce, ...).
- Performance and availability troubleshooting in critical 24x7 systems both at SQL Server level and client application (.NET)
- Design of advanced analytical solutions with machine learning (R and Analysis Services data mining, ...)
- Performance audits of .NET applications (backend mainly)
- Business intelligence projects with tabular technology (PowerBI with DAX)
- Architect and developer of QueryAnalytics and HealthCheck

April 2004 - January 2008

Data analyst
Tabimed S.A. (now part of www.bancosabadell.com)

- Design and architecture of the data access layers for their core Applications (tasaciones de bienes inmuebles)

EDUCATION AND TRAINING

Computer Engineer

Expedited by University of Alicante.

Honors obtained with my final master project called *modelado de objetos en almacenes de datos relacionales*.

January 2021 – January 2023

Microsoft Certified: Azure Data Engineer Associate

Expedited by Microsoft
NOTE: For more info, please visit my official MS transcript (id: 977266---code: enriquecatala)

December 2021 – December 2022

Microsoft Certified: Azure Database Administrator Associate

Expedited by Microsoft
NOTE: For more info, please visit my official MS transcript (id: 977266---code: enriquecatala)

October 2021 – Present

Azure Data Scientist Associate

Expedited by Microsoft
NOTE: For more info, please visit my official MS transcript (id: 977266---code: enriquecatala)

January 2021 – Present

Certified Kubernetes Administrator

Expedited by Cloud Native Computing Foundation
NOTE: For more info, please https://www.cncf.io/certification/cka/

August 2020 – Present	**Microsoft Certified: Azure Data Fundamentals** **Microsoft Certified: Azure Fundamentals** Expedited by Microsoft *NOTE: For more info, please visit my official MS transcript (id: 977266---code: enriquecatala)*
January 2020 – Present	**Microsoft Certified: Solutions Associate: SQL 2016 Database Administration** Expedited by Microsoft *NOTE: For more info, please visit my official MS transcript (id: 977266---code: enriquecatala)*
2016 – Present	**Microsoft Certified Solutions Expert: Data Management and Analytics** Expedited by Microsoft *NOTE: For more info, please visit my official MS transcript (id: 977266---code: enriquecatala)*
2015 – 2016	**Master en Business Intelligence & Analytics con tecnologías Microsoft** Expedited by SolidQ Details: Focused on data analysis with R, data mining and scalable data warehousing design for Petabyte solutions.
2013 - Present	**Microsoft Certified Trainer** Expedited by Microsoft (yearly renewed since 2013). *NOTE: For more info, please visit my official MS transcript (id: 977266---code: enriquecatala)*
2013 - Present	**Microsoft Certified Solutions Expert** Expedited by Microsoft Areas: • Data Management and Analytics • Data Platform *NOTE: For more info, please visit my official MS transcript (id: 977266---code: enriquecatala)*
2013 - Present	**Microsoft Certified Solutions Associate** Expedited by Microsoft *NOTE: For more info, please visit my official MS transcript (id: 977266---code: enriquecatala)*
2010 - Present	**Microsoft Certified IT Professional** Expedited by Microsoft Database Developer and administration *NOTE: For more info, please visit my official MS transcript (id: 977266---code: enriquecatala)*
2010 - Present	**Microsoft Certified Technology Specialist** Expedited by Microsoft *NOTE: For more info, please visit my official MS transcript (id: 977266---code: enriquecatala)*

PERSONAL SKILLS

Mother tongue

Spanish, Catalonian

Other language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	

English				
C2	C2	C1	C1	C2

Nivel: A1/A2: usuario básico - B1/B2: usuario independiente - C1/C2: usuario competente
Marco común Europeo de referencia para las lenguas

Communication skills

Due to the vast number of customers I´ve had, I have a strong experience speaking with professionals with different kind of roles. I acquired good communication skills during my experiences as international speaker in different big events such as Microsoft TechSummit, Codemotion, SQL Pass, netCoreConf, dotNetConference... where I have spoken in front of more than 500 people.

Organizational and managerial skills

Leadership. It is frequent that the customer puts me in charge of several of his own employees

Job-related skills

Good capacity for detecting inefficient architectures.
Transmission of knowledge:
* I am used to transmit knowledge to the people who work with me to make the team stronger

Languages commonly used
* C#, python, T-SQL, DAX, PowerShell

Other skills:
* Kubernetes
* Tensorflow/keras
* Azure
* Databricks
* Data Analytics
* RestAPI
* Performance tuning
* terraform
* Data platform migrations to Cloud
* Reliable High availability solutions
* Azure software integration
* Business Intelligence
* Multithread .net/python coding
* MVVM coding patterns
* Windows Universal Platform
* XAML
* WCF

Other competences

Methodical and organized. Because in my current company I am in telecommuting (when I am not displaced to a client), I have acquired good habits of time control and organization

Driver license

A and B

ADDITIONAL INFORMATION

Microsoft official

* Implementación de un sistema de alta disponibilidad multisite con AlwaysON

publications	https://msdn.microsoft.com/es-es/sqlserver/dn393901

- Instalación de SQL Server paso a paso https://msdn.microsoft.com/es-es/sqlserver/gg521092
- Instalación de clusters SQL Server paso a paso http://msdn.microsoft.com/es-es/sqlserver/gg601099
- Instalación y configuración de SQL Server Integration Services paso a paso http://msdn.microsoft.com/es-es/sqlserver/gg690203
- Log shipping personalizado http://msdn.microsoft.com/es-es/sqlserver/hh291511
- Framework de administración declarativa http://msdn.microsoft.com/es-es/sqlserver/hh479546

Published books

- Planificando la migración de SQL Server 2000-2005 a SQL Server 2008 R2 (**ISBN**: 978-84-936417-9-5)
- Summit 2008 – Madrid: Relational DB Track (**ISBN**: 978-84-936417-1-9)
- Planificando la migración de SQL Server 2000-2005 a SQL Server 2008 (**ISBN**: 978-84-936417-6-4)

Training material created

I´m the author of some international courses offered by my company. Some examples:
- Planes de ejecución con SQL Server
- SQL Server Optimization, Performance Tuning and Troubleshooting
- Administración de SQL Server 2016
- Administración de SQL Server 2014
- …

Projects

I work for companies under NDA, so I can not disclose the companies I work for. The sectors in which I work, usually are 24x7 open environments with business volumes of hundreds or thousands of millions of euros that rely almost entirely on computer systems.
Banking, insurance, high-risk online payments, car rental and booking of flights, naval management, are some of the sectors in which I usually work.

Speaker in conferences

National and international speaker at numerous events. You can find some of them in my official portfolio. Here some few examples:
- Deeplearning state-of-the-art in Azure with opensource
- Applied Deep Learning state-of-the-art
- Desplegar servicios Azure fuera de Azure
- Microsoft TechSummit: Cortana Intelligence Suite: Datawarehouse como servicio en Azure (SQLDW)
- SQL Saturday: Como leer planes de ejecución en SQL Server
- Codemotion:
    - Cómo hacer tuning a capas de acceso a datos .NET
    - Arquitecturas escalables en Azure: Mentiras y verdades

I have a YouTube channel where I'm talking about data engineering:
https://youtube.com/enriquecatala

Here at my SlideShare account you can find some conferences
http://www.slideshare.net/enriquecatala

Groups

- Member and co-founder of SQL Saturday Spain
- Member of Professional Association of SQL Server Professionals (PASS)

ATTACHMENTS

- MS_Learning_Transcript.pdf
- ExecutiveRecognitionLetter.pdf