Albert Nogués Sabater

Greater Barcelona Metropolitan Area

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Summary

38 year old @ Barcelona. Interested in BigData Projects, specially the ones focused in running SQL engines on top of BigData to process massive data in a timely manner. Worked as a BI/BigData Solutions Architect / Engineer with multiple technologies. Certified in AWS and Azure, Databricks and Snowflake.

Main Experience:
✓BigData: Hive, Impala, Kudu and Hadoop stack. Databricks + Delta Lake, Snowflake.
✓Cloud: AWS and Azure services, deployment and architecture.
✓Data Architecture and Data Engineering.
✓Programing and scripting and automation mainly in SQL and Python but also other languages like Java, Bash, Powershell, Terraform and Ansible.
✓Databases: Oracle DBA and performance tuning, SQL Server, MySQL. NoSQL DB's.
✓Development of ETLs and Reports / Dashboards with multiple technologies
✓Project Management.
✓Team and Resource management, provider and contract negotiation.
✓Governance and Strategy in the DB/BI/BigData/Cloud Domain.
✓Infrastructure Architecture.

Experience

Freelance (Big)Data and Cloud Architect/Engineer for Danone @T2C
Danone

May 2019 - Present (4 years 3 months)
✓ Support and manage a BigData stack: HDFS, Hive, Impala, Kudu, Spark, Kafka, Informatica cloud, Python, AWS and Azure Services
✓ Azure Migration with IaaC: Terraform, Ansible
✓ Cloudera deployments both on Prem and in Public Cloud
✓ Databricks deployment + PySpark + Delta Lake projects
✓ Datawarehouse migrations. Relational DB's to Azure Synapse, AWS Redshift, Hive, Impala, Kudu and Snowflake
✓ AWS Cloud Bigdata Infrastructure: Architect, Deployment and Governance
✓ (Big)Data Backup procedures and disaster recovery scenarios
✓ (Big)Data Architecture
✓ (Big)Data Administration
✓ Digital Transformation and BigData Landscape definition

Freelance BigData Architect and Engineer for Estabanell @ Simig
Simig Solutions

May 2019 - Dec 2020 (1 year 8 months)
✓ Collaborating with Simig to implement a BigData Platform in Estabanell. OnPremise and in AWS.

✔ Installation and Configuration of a CDH with Impala and Spark, Development of an ETL process to load data from SQL Server and analyze it + conversion of the data into Parquet + Snappy.
✔ Best Practices and Architecture Sizing
✔ Automatizing installation with ansible
✔ Documenting and Mentoring new users so they can work autonomously on the platform

Database Infrastructure Technical Lead
Firmenich

Oct 2017 - Apr 2019 (1 year 7 months)
✔ Accountable for the governance on the global Database and smart data infrastructure.
✔ Ensure appropriate coverage for database infrastructure support, security, sustainability and maintenance.
✔ Develop and mentor other database administrators.
✔ Develop, implement and communicate database best practices.
✔ Establishing product standards and specifications for existing, growing and new requirements.
✔ Lead and prioritize database projects and manage team task assignment.
✔ Ensuring and controlling that security best practices and policies are at all times enforced for the domain covered, with the operational team.
✔ Maintaining vendor relationship and communications, including status reporting and informal conversations.
✔ Manage license compliance.
✔ Providing expertise on Hadoop MapR framework and hardware specifications for the big data environment.

Freelance Sportsbook Developer
BVGroup

May 2014 - Dec 2017 (3 years 8 months)
Due to my knowledge of the betting industry as well as my technical background I am in charge of different sportsbook development related projects mainly with technologies like: Oracle, Kettle, Microstrategy and Python.

Currently ongoing projects are Spincast, Match Action, Golf Derived markets and Opta Football Statistics.

✔ Tasks:
* Implementation of an API in PL/SQL + Python working with XML to talk to the internal pricing services being able to create markets, price them and generate outcomes based on any external tool like an excel file.
* Creation of interfaces so traders can easily manage unique markets.
* Technical market design
* Management and development of several statistical databases.

Danone BI/BigData Architect/Engineer and Project Manager
T2C

May 2014 - Oct 2017 (3 years 6 months)
✔ Following and supporting the running operations for Danone Business Inteligence datawarehouse worldwide.

*Taking part and leading meetings regarding Db2, SQL Server, Informatica, Oracle, Microstrategy and other platform infrastructure.
* Performance improvement by SQL Tuning, In Memory, redesign of processes and analysis and advise to dev teams.
* KPI Reporting and BI coordination tasks.

✔ Danone BI Project Management:
* BigData Cluster with Cloudera CDH5. Testing Sqoop, Spark, SparkR, Cloudera Impala (+ Avro, Parquet) and Kudu. Also testing Sentry, Kerberos and SSL.
* Microstrategy Upgrade to 10.4
* Oracle upgrade to 12c
* Oracle Online Statistics + Intra/Inter Object Statistics + Incremental Statistics

✔ BI Apps development:
* Programing in python a portal in Flask + SQL Alchemy + Bootstrap + Jquery to automate transports between environments (DEV/SIM/PROD) and validate objects for Unix, Oracle, Informatica, Db2 and SqlServer. (In Process / Finished). Currently in use by all internal and external providers of Danone. It performs the transports of objects and has advanced logging and rollback capabilities.
* Qlikview API Scripts to assign permissions on demand / add users to Active directory groups in C# (Finished)
* Dashboards in Qlikview and Microstrategy to report mostly technical kpis.

Technical Writer
Apress
Apr 2016 - Jun 2017 (1 year 3 months)
Working alongside Juan Valladares in a book about Business Intelligence called "Business Intelligence Tools for Small Companies: A Guide to Free and Low-Cost Solutions". To be released on June, 2017

https://www.amazon.com/Business-Intelligence-Tools-Small-Companies/dp/1484225678/

Horse Racing Data Analyst & Sportsbook product developer
BVGroup
Oct 2012 - May 2014 (1 year 8 months)
Designing, Developing and Maintaining a BI solution using Java, Oracle and Microstrategy to support the Horse Racing Trading department for finding trends, creating reports showing diferent stats, performing calculations and data mining.

Horse racing pricing

Using sas to conduct some research on customers accounts finding different patterns.

Automation of several stats calculations (Football booking points calculations and corner statistics...) that required manual intervention using SAS and Microstrategy.
Automation of the Betvictor Spincast Markets (Anytime goalscorer, Over-Under, To win match) odds generation process for Football Matches.

Working with darts traders and java programmers to set up a reporting system based in Oracle + Microstrategy platform (MSTR Desktop, MSTR Web, MSTR Office) to help traders in pricing darts markets.

Developing a project to load Opta Data football feeds into our database for statistical purposes parsing XML files with Oracle XML-DB and publishing the datasets into SAS

Developing a set of business insights projects using Kettle and Microstrategy to check some company KPIs

Business Intelligence Consultant
T2C
Jan 2011 - Oct 2012 (1 year 10 months)
Oracle DBA Administration (Development, Simulation) and Production Transports. Some developments.
Informatica Powercenter Administration and simple workflow design.
Microstrategy Administration, reporting and simple dashboarding
Microstrategy narrowcast server, object manager, integrity manager.
KPI analysis and reporting.
Danone IT and datawarehousing related Projects

Helpdesk and IT. Technician
Universitat Politècnica de Catalunya
Sep 2007 - Jul 2010 (2 years 11 months)
Working in the applied mathematics 1 department of the Polytechnic University of Catalonia.
Attending requests about software and hardware problems, solving petitions from teachers of the department, developing OS images including Linux both Ubuntu and Debian and Windows XP and seven for workstation clients using Symantec Ghost.
Some basic networking with routers and switches in a local LAN.
Deployment of a small Active Directory infrastructure for 150+ people under Windows 2008 R2 and OpenLdap syncronisation with that active directory.

Systems Operator
Sertec
Apr 2004 - Sep 2006 (2 years 6 months)
Working as a System operator inside the Cronos Project at Editorial Planeta.
My main duty was controlling email, web and backup servers and some database services using some monitorization tools like hostmonitor.
I also was in charge of some helpdesk tasks specially off hours. I also had to apply some detailed procedures dealing with lotus notes databases. Incident escalation.

Education

Universitat Politècnica de Catalunya
5 Year Masters Degree, Computer Science, Networking, Programming
2003 - 2009
5 Year Masters Degree in computer science. Software Engineering, Programming, Networking.
Interested in network subjects.

I also choose business oriented subjects like Planning and Management of Information Technology Projects and Systems, Viability of Business Projects, Decision Making and Project Management in Business ...

My final studies project was Implementing a migration plan for adapting a MSO (HFC Cable) operator to move their services to a GPON network based environment. I got a honour mark.

Universitat Oberta de Catalunya

University Master's Degree in e-learning education and ICTs, e-learning, ICT
2011 - 2012
Specializing in direction and management of projects and institutions with the implementation of ICT (e-learning).

Quality policies in e-learning
Address of training with the use of ICT
Management program production, marketing and recruitment
Teaching management, technological, financial and budgetary
Design training proposals based on the use of ICT
Use of ICT in education and learning theories
Organizational development of e-learning
Management and student support systems

Licenses & Certifications

Oracle Database 11g Performance Tuning Certified Expert - Oracle

Oracle Database 11g Administrator Certified Professional - Oracle

ITIL® Foundation certificate in IT Service Management - ITIL Foundation V3
00402623

Cloudera CCA Administrator (CCA131) - Cloudera
Issued Jan 2018 - Expires Jan 2020
100-019-735

Microsoft Certified: Azure Administrator Associate (AZ-104) - Microsoft
H443-9495

AWS Certified Solutions Architect – Associate - Amazon Web Services (AWS)
Issued Jun 2020 - Expires Mar 2026
MP7YBD2CFBBQ1ZS4

Microsoft Certified: Azure AI Fundamentals - Microsoft

Microsoft Certified: Azure Solutions Architect Expert - Microsoft

Issued Aug 2020 - Expires Aug 2023

Microsoft Certified: Azure Data Engineer Associate - Microsoft

Issued Nov 2020 - Expires Nov 2023

SnowPro Core Certification - Snowflake

Issued Oct 2021 - Expires Oct 2023

Academy Accreditation - Databricks Lakehouse Fundamentals - Databricks

Issued May 2022 - Expires May 2023

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Microsoft Certified: Azure Network Engineer Associate - Microsoft

Issued Jun 2022 - Expires Jun 2023

Databricks Certified Data Engineer Associate - Databricks

Issued Jul 2022 - Expires Jul 2024

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Databricks Certified Data Engineer Professional - Databricks

Issued Sep 2022 - Expires Sep 2024

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Academy Accreditation - Platform Administrator - Databricks

Issued Sep 2022 - Expires Sep 2023

59091087

Databricks Certified Data Analyst Associate - Databricks

Issued Oct 2022 - Expires Oct 2024

61142284

AWS Learning: Architecting - Amazon Web Services (AWS)

Microsoft Certified: Azure Data Scientist Associate - Microsoft

Issued May 2023 - Expires May 2024

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Skills

Data Warehousing • BigData • Cloud Computing • Business Intelligence • Online Gaming • Project Management • E-learning • Scripting • Big Data • SQL

Honors & Awards

Honors in Final Masters Degree project - Universitat Politècnica de Catalunya
Jan 2010