Sofía Hernández Juárez
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Professional Summary

Innovative Database Administrator with over 7 years of experience specializing in NoSQL database systems and cloud data management. Skilled in deploying, optimizing, and maintaining databases within high-demand environments, focusing on MongoDB and Cassandra. Committed to improving data processing speeds and system scalability through effective database architecture and management strategies.

Professional Experience

Lead Database Administrator
CloudTech Innovations, Mérida
April 2018 - Present

Directed the deployment and management of over 100 NoSQL databases across multiple cloud platforms, achieving improved data scalability and access speeds.

Developed and executed a comprehensive data migration plan to transition legacy systems to MongoDB and Cassandra, reducing operational costs by 30%.

Instituted rigorous security protocols and backup strategies, enhancing data integrity and minimizing downtime.

Database Administrator
NextGen Data, Mérida
January 2015 - March 2018

Managed daily operations for diverse NoSQL databases, focusing on performance tuning and capacity planning.

Collaborated with development teams to optimize data structures and queries, resulting in a 40% increase in performance efficiency.

Conducted regular training sessions on database best practices and new technologies for internal teams.

Education

Master of Science in Data Science
Universidad Autónoma de Yucatán
2013 - 2015

Bachelor of Science in Computer Science
Universidad de Yucatán
2009 - 2013

Certifications

Certified MongoDB DBA

Cassandra Certified Administrator

AWS Certified Database - Specialty

Technical Skills

Expertise in managing and scaling NoSQL databases such as MongoDB and Cassandra

Proficient with AWS, Azure, and Google Cloud database solutions

Strong background in data architecture and database security

Advanced knowledge of Python and shell scripting for database management tasks