

Internships at InfoCamere

Who is InfoCamere

InfoCamere S.C.p.A is the digital innovation company of the Italian Chambers of Commerce. It offers **digital services and solutions to businesses and the Public Administration**, and works to bring businesses and the Public Administration closer to each other. It is also responsible for the availability of the **Italian Business Register**, which is the archive of the “ID cards” of all the businesses in Italy.






The company is recognized for its commitment to **sustainability**. For the fourth consecutive year, InfoCamere has been recognized as a Leader in Sustainability. This recognition is a testament to InfoCamere’s ongoing commitment to achieving a more sustainable social, economic, and environmental balance.








InfoCamere is also involved in **open innovation** initiatives. For example, the General Manager of InfoCamere recently authored an in-depth article on how the Public Administration can leverage Open Innovation to introduce artificial intelligence into its processes.





The company is located at Corso Stati Uniti 14, 35127 - Padova, but has other venues in Rome, Milan, and Bari.

Internships proposals

This is a list of internship topics proposed by the **Data Base Management Operating Unit**, which is part of the Technology Infrastructure Department.

#	Topic	Description	Technologies
1	RAG with vector DBs for Semantic Search	<p>POC of RAG (Retrieval-Augmented Generation) with vector dbs to evolve the classic full-text search towards the recent and more advanced semantic search</p> <p>#LLMs, #semanticSearch, #vectorSearch, #hybridSearch, #vectorDBs, #RAG</p>	    

2	Containerized DBs	<p>POC of DBs living in a containerized/cloud environment</p> <p>#cloud, #distributedDBs</p>	
3	Event-oriented DB	<p>POC of ksqDB to provide current-state and past-state views over event-based DB changes</p> <p>#kafka, #eventOriented</p>	
4	DB changes re-engineering from triggers to event streaming	<p>POC to revisit a legacy trigger-based data changes' capture on an Oracle DB</p> <p>#CDC, #oracle</p>	
5	Postgres distributed on cloud	<p>POC of PostgreSQL HA cluster deployed on a geographically distributed cloud environment</p> <p>#cloud, #distributedDBs</p>	
6	CI/CD for DB changes	<p>POC of CI/CD solutions and policies in the DB management area</p> <p>#automation, #versioning, #CI/CD</p>	
7	Secure DBs on cloud env	<p>POC of a DB on cloud with high security requirements, explore everything that is needed to obtain this</p> <p>#cloud, #db, #encryption, #security</p>	
8	KMS for DBs	<p>Explore the adoption of a Key Management System to enable security features on different DBMSs</p> <p>#security, #encryption, #kms, #db</p>	

9	Infra monitoring	<p>POC about enhancing the monitoring and issues prediction for the IT infrastructure</p> <p>#monitoring, #machineLearning</p>	
10	CDC tools with multiple DBs	<p>Comparison and POC of Change Data Capture technologies to replicate data among different DBs / DBMSs</p> <p>#CDC, #DBs</p>	
11	Graph DBMSs	<p>Comparison of graph DBMSs and migration study for an existing application</p> <p>#graphDBs</p>	
12	NewSQL	<p>POC of NewSQL technologies</p> <p>#newsqIDBs</p>	
13	Other ICT topics	<p>If you are passionate about network, database, systems, middleware, or other ICT topics: contact us and tell us what you are passionate about.</p> <p>We're open to new proposals!</p>	