

CRETU MIHAI BOGDAN

SQL Server Database Administrator · Performance Tuning · High Availability

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PROFILE

SQL Server Database Administrator with 4 years of hands-on experience across banking, outsourced DBA services and ERP/HR consulting. Specialized in performance tuning, production troubleshooting and high availability (Failover Clustering, Always On Availability Groups), backed by a strong Business Intelligence foundation in Power BI, Tableau and SSIS. Focused on making production systems faster, more stable and easier to monitor.

7h → 1h
daily DBCC CHECKDB runtime after redesigning the integrity-check strategy

Always On AG
failover clustering implemented and maintained in production

4 years
SQL Server across banking, DBA outsourcing and HR/ERP environments

WORK EXPERIENCE

SQL Server Developer | BI Developer (Tableau) | TotalSoft — Feb 2026 – Present

- Delivering end-to-end, as sole developer, BI solutions from client requirements to go-live
- Designing and building complex Tableau dashboards
- Building the T-SQL data layer
- Optimizing performance with a materialized analysis table refreshed by a stored procedure, plus Tableau extracts for the heavy views
- Documenting the work and providing User's Manual for each KPI
- Implement and configure Charisma HR for client environments based on business requirements
- Install, configure and deploy application environments and servers from scratch
- Develop T-SQL queries, stored procedures and database scripts for client-specific functionality
- Build and migrate reports from back-office to online environments
- Integrate application features through APIs
- Perform data corrections, validation and database maintenance while ensuring data integrity and consistency
- Troubleshoot and resolve application and data-related issues in production

Database Administrator | SplitIO (DBA Outsourcing) — Aug 2024 – Nov 2025

- Administered SQL Server environments for multiple client companies as part of an outsourced DBA team
- Reduced DBCC CHECKDB execution time from 7+ hours to ~1 hour per day by designing a multi-day segmented integrity-check strategy
- Implemented and maintained SQL Server Failover Clustering and Always On Availability Groups, improving availability and reducing downtime
- Monitored and resolved blocking, waits, CPU spikes and storage issues across client production servers
- Tuned queries and indexes to improve execution performance and reduce resource consumption
- Built automated alerts and monitoring scripts to detect anomalies early and prevent incidents
- Developed Power BI dashboards to track server performance metrics and key database health indicators
- Performed daily maintenance: backups, SQL Server patching, Windows updates and storage optimization

BI Reporting Developer | BRD — Jun 2023 – Aug 2024

- Translated business requirements into technical solutions, reports and dashboards
- Developed and optimized SQL queries, views and data models for reporting and analytics

- Built Tableau dashboards and reports on top of the Enterprise Data Warehouse (DWH)
- Designed and maintained data sources and integrations between Tableau and DWH platforms
- Performed impact analysis, testing and deployment of reporting solutions across DEV and UAT environments
- Optimized existing reports to improve performance and data quality
- Provided technical support and data analysis for business stakeholders

Business Intelligence Intern | Nexus — Feb 2023 – Jun 2023

- Wrote SQL queries to analyze and manage large datasets in SQL Server
- Contributed to database design, implementation and maintenance
- Built interactive dashboards and reports in Power BI and Tableau
- Developed ETL processes and data integrations using SSIS
- Identified and resolved data quality and consistency issues

TECHNICAL SKILLS

Databases	SQL Server · T-SQL · SSIS · Data Warehousing
Administration	Performance Tuning · Query Optimization · Index Tuning · Backup & Recovery · Failover Clustering · Always On AG · Monitoring & Alerting · Patching
Business Intelligence	Power BI · Tableau · ETL · Data Modeling
Development	C# · Blazor · REST APIs · SentenceTransformers

PROJECTS

Nocturne – iGaming Platform & BI Back Office | Personal Project

SQLite / Cloudflare D1 · SQL · Drizzle ORM · JavaScript · Cloudflare Workers

- Designed and evolved the relational schema through 34 versioned migrations: wallets with optimistic locking, payments, KYC, risk signals, support and analytics tables
- Optimized queries and indexes to keep production inside the Cloudflare D1 free plan after daily reads hit 5.45M: summary tables, player/day indexes, joins instead of correlated sub-queries and a persisted report cache cut reads per report ~4× (from ≈120k to ≈30k rows)
- Built the BI layer: nightly roll-ups for GGR, NGR, RTP per game, deposits and retention cohorts, filtered by period, game, segment and player
- End-to-end platform developed with AI-assisted tooling: 20 provably fair games, sportsbook, and a back-office app with 12 staff roles

HR Management Platform with AI Candidate Matching | Bachelor's Thesis

Blazor · C# · SQL Server · SentenceTransformers

- Built a full HR platform with role-based access control, leave management workflows and project administration
- Implemented AI-based candidate selection through semantic CV matching and automated candidate ranking

EDUCATION

Bachelor's Degree in Systems Engineering — 2021 – 2025

Faculty of Automatic Control and Computer Science

Relevant coursework: Databases, Algorithm Design, Operating Systems Engineering, Object-Oriented Programming

TRAINING

- SQL Server Performance & Internals – Brent Ozar
- How to Think Like the Engine – Brent Ozar

LANGUAGES

- **Romanian** – Native
- **English** – Advanced (C1)