JARED GORBAHN

APPLICATIONS & TECHNICAL ARCHITECT | AZURE DATA & SOFTWARE PLATFORMS

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PROFESSIONAL SUMMARY

Hands-on applications and technical architect with 8+ years of warehouse-systems, analytics, and data-platform experience. Designs and operates Azure/Microsoft Fabric environments while building secure integrations, diagnosing performance issues, and establishing testable engineering patterns. Independent .NET/React and Node.js projects demonstrate API design, database discovery, identity boundaries, transactional correctness, and rigorous validation.

TECHNICAL CAPABILITIES

Cloud & Fabric: Azure Data Factory, Azure SQL/SQL Server, Microsoft Fabric capacity administration, Synapse, App Service, Entra ID, managed identity, Key Vault, private networking, Data Lake/Blob, Stream Analytics

Architecture & Data: Enterprise integrations, ETL/ELT, API architecture, warehouse/WMS domains, metadata modeling, relationship discovery, governance patterns, performance tuning

Application Engineering: Python, SQL, JavaScript/Node.js, C#/.NET, TypeScript/React, PowerShell, REST APIs, SQL Server transactions

Delivery & Reliability: Git, Azure DevOps, CI/CD, ARM, automated/integration testing, UAT, deployment verification, SQL execution plans, observability, failure and recovery analysis

PROFESSIONAL EXPERIENCE

Applications and Technical Architect | DHL Supply Chain

May 2026 - Present | Edmonton, AB

- Shape application and data architecture for warehouse and logistics technology, connecting operational requirements with Azure integrations, database design, security boundaries, and production supportability.
- Managed a Microsoft Fabric capacity supporting shared analytics workloads, overseeing capacity operations and monitoring utilization and performance across shared demand.
- Design and review integration patterns using Azure Data Factory, Azure SQL, private/hybrid connectivity, managed identities, and cloud services; emphasize least privilege, recoverability, and traceable data flow.
- Advance engineering standards for metadata documentation, technical design review, CI/CD, and realistic test/UAT scenarios before production rollout.

Data Engineering Manager | DHL Supply Chain

Apr 2025 - May 2026 | Edmonton, AB

- Led modernization of distributed on-premises data workloads into Azure and Fabric, including secure ingestion, orchestration, batch/stream processing, and serving patterns.
- Led and mentored engineers; strengthened Git, code review, testing, deployment automation, documentation, and incident investigation practices.
- Diagnosed shared SQL platform bottlenecks through execution plans, I/O, memory grants, indexing, locking, and workload analysis, turning one-off fixes into reusable guidance.

Business Analytics Manager | DHL Supply Chain

Jul 2022 - Apr 2025 | Edmonton, AB

- Led migration and integration work for warehousing, routing, and transportation analytics; delivered Azure-connected systems using ADF, APIs, Functions/Logic Apps, SQL Server, and reporting platforms.
- Established database documentation, release/UAT discipline, and SQL performance training to help teams ship repeatable, supportable operational solutions.

JARED GORBAHN | SELECTED WORK & EARLIER EXPERIENCE

SELECTED INDEPENDENT ENGINEERING PROJECTS

Public case studies and demos: jaredgorbahn.ca/projects/ | Synthetic data; independent of employer systems and source code.

ERD Explorer | Node.js | JavaScript | Azure App Service / Azure SQL

Browser-based database structure explorer; live personal Azure demo with an acceptance phase in progress.

- Implemented Entra-protected access, bounded catalog discovery, interactive diagrams, source/identity boundaries, and review of exact SQL before single-use metadata extraction approval.
- Added deterministic relationship suggestions with composite-key rules and evidence distinctions; tested historical releases with automated, Azure SQL integration, browser, cancellation, and rollback checks.

Warehouse Management System | C#/.NET | React / TypeScript | SQL Server

Independent receiving and directed-putaway prototype grounded in warehouse operations.

- Designed transaction-safe, idempotent receiving and putaway commands with stored command outcomes and an inventory event ledger; identical retries do not duplicate physical stock.
- Verified a synthetic UI-to-API workflow and exact request replays: 240 units reconciled with zero differences; physical-scanner and representative-operator UAT remain open.

Database Intelligence Workbench | ASP.NET Core | React / TypeScript | SQL Server

Early-stage database investigation and evidence-focused answer prototype.

- Built reviewed/redacted scan plans, synthetic model packs, and deterministic answers tied to cited schema evidence, with explicit abstention when support is missing.
- Used focused test fixtures to expose false relationship matches and refine citation behavior; live profiling and model-backed AI are proposed, not deployed.

EARLIER PROFESSIONAL EXPERIENCE

Senior Operations Systems Analyst | Connect Logistics

Nov 2020 - Jul 2022 | St. Albert, AB

- Managed a small technical team delivering WMS changes, UAT, production support, SQL/ETL troubleshooting, and releases across operational warehouse workflows.
- Modernized reporting in three months with no data loss; supported SQL Server, DB2/AS400, SSIS/SSRS, Jaspersoft, and Power BI.

Operations Analyst | Connect Logistics

Oct 2018 - Nov 2020 | St. Albert, AB

- Built operational reporting for a warehouse startup and validated WMS changes through end-to-end acceptance testing and database-driven issue investigation.

SELECTED IMPACT

- Created and taught practical SQL performance material on execution plans, memory, I/O, locking, and measuring actual query work.
- Won the 2019 DHL Hackathon with a user-facing reporting application incorporating data lifecycle management.

CERTIFICATIONS & EDUCATION

Microsoft Certified: Azure Administrator (AZ-104); Azure Fundamentals (AZ-900)

B.Sc., Geophysics - University of Alberta

IT/IS, database management and computer science coursework - Athabasca University