

NIV SCHENDEL, 25

Backend Engineer | C# .NET 8 • SQL Server • AI Agents & Automation

niv@schendel.me • +972-52-555-5579 • linkedin.com/in/niv-schendel • github.com/schendel2606 • niv.schendel.me

SUMMARY

Backend Engineer with 3 years building production C# / .NET APIs, configuration-driven engines, and SQL Server data layers across dozens of enterprise customers. Recently shipped a custom AI agent and Skill toolkit that runs inside sandboxed environments and auto-generates code for a closed legacy system, automating significant portions of recurring engineering work that previously required manual scripting. Combine layered .NET architecture with deep T-SQL, performance-tuning, and SAP DI API / Service Layer integration expertise; reduced new-customer deployment time from ~1 day to under 1 hour by abstracting core logic into reusable, multi-tenant components. Completing a B.Sc. in Computer Science at HIT (evening) while working full-time.

EXPERIENCE

Solutions Engineer - Inspiria LTD

Mar 2024 - Present

- **Built a custom AI agent and Skill toolkit that runs inside sandboxed environments and auto-generates code for a closed legacy system (B1UP / Boyum IT).** Enforces data isolation while automating significant portions of recurring engineering work that previously required manual scripting. Materially compresses delivery cycles.
- **Architected configuration-driven backend engines for multi-tenant rollouts** using declarative parameter tables and dynamic T-SQL generation. **Reduced new-customer deployment from ~1 day to under 1 hour.** Engines power vendor-risk scoring (VendorScoringEngine), advanced inventory models, and complex financial modules (Budgeting, Aging, VAT Allocation).
- **Shipped production REST APIs** in C# / .NET 8 / ASP.NET Core with input validation, structured logging (NLog), and error handling. Integrated with external systems via **SAP DI API and Service Layer**. Authored Postman regression suites covering JSON / XML payloads across critical flows.
- **Designed analytical SQL Server data models** (fact tables, KPI logic, stored procedures, SQL views) feeding Power BI dashboards consumed by finance and operations teams in place of ad-hoc reporting workflows.
- **Resolved high-volume database bottlenecks** by analyzing execution plans and applying targeted indexing strategies. Cut report runtimes in production and unblocked client month-end closes.
- **Drove iterative product delivery with enterprise customers across 6+ on-site engagements.** Translated requirements into technical specs, ran releases through UAT to production, and maintained engineering quality via layered (Service / Repository) architecture, OOP / SOLID, and peer code reviews.

SAP Business One Implementer - Inspiria LTD

Mar 2023 - Mar 2024

- **Authored T-SQL fixes, stored procedures, and SQL views across dozens of enterprise customer deployments.** Root-caused in production data, integrated via **SAP DI API and Service Layer**, ran UAT, and shipped to production.
- **Delivered scoped technical projects:** wrote engineering specifications, coordinated with developers, integrated via DI API / Service Layer, and documented releases for handover.

Industrial Operations Engineer - IDF Ground Forces, Engineering Branch

Jun 2020 - Mar 2023

- Applied industrial engineering methods to operational planning and process improvement; built Excel models and authored queries against military operational systems for analysis and reporting.

EDUCATION

B.Sc. in Computer Science - Holon Institute of Technology (HIT)

Nov 2024 - 2027

- Evening program while working full-time. Completed coursework: Data Structures, Object-Oriented Programming, Advanced Programming Workshop.

Industrial Engineering Technician Certificate - Revivim College

Sep 2018 - Jun 2020

SKILLS

Languages & Frameworks C# (.NET 8), ASP.NET Core Web API, T-SQL, SQL, C / C++ (foundations)

API & Backend REST APIs, JSON / XML, Layered Architecture (Service / Repository), OOP & SOLID, Configuration-Driven / Declarative Engines, Dynamic Query Generation, Production Hardening & Observability

AI & Automation AI Agent Development, Skill / Tool-Use Pipelines, Sandboxed Execution, Automated Code Generation

Data & Databases Microsoft SQL Server (MSSQL), Stored Procedures, SQL Views, Relational Data Modeling, Analytical Data Models (Fact tables, KPI logic), Performance Tuning (Execution Plans, Indexing), ETL-style Data Loads

Integration & ERP Context SAP DI API, SAP Service Layer, SAP Business One, B1UP (Boyum IT), Power BI

Tools & Practices Git, Postman, NLog, Code Reviews