SANSKAR BOSMIA

Backend .NET engineer · Azure Solutions Architect Expert (AZ-305)

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SUMMARY

Backend .NET engineer building high-performance REST APIs in C#, ASP.NET Core (.NET 8) and SQL Server for a fintech lending and investment platform. Cut API response times by 90% through query optimisation across 140+ tables. Founder and sole engineer of TableScan, a multi-tenant restaurant ordering SaaS.

EXPERIENCE

Software Engineer, Interbiz Consulting June 2024 to now

Client: a student-loan refinancing and investment platform

- Made API responses 90% faster by moving filtering into the database (IQueryable over in-memory IEnumerable), projecting to lean DTOs and restructuring joins across 140+ tables.
- Built 20+ REST APIs in ASP.NET Core (.NET 8) with EF Core and LINQ, in Clean Architecture with Repository and Unit of Work.
- Built cash-flow forecasting models that investor and borrower teams use to plan capital.
- Wrote aggregation services for loan portfolios, investment flows and cash movement across separate Investor and Borrower databases.
- Helped move SQL Server data to Cosmos DB, remodelling relational tables into document collections.
- Built the APIs and Angular dashboards behind alluvial flow charts, sales-rep to investor network graphs and multi-date-range filters.
- Run releases on Azure App Service, Front Door and Azure SQL, and resolve production incidents.
- Secured APIs with JWT, OAuth 2.0 and role-based access control for 50+ users across roles, from managers and sales reps to investors and borrowers; wrote xUnit tests for financial calculations.

PROJECTS

TableScan, QR menu and table-ordering SaaS tablescan.in

- Isolated every restaurant's data with PostgreSQL row-level security and server-side API routes, and signed a QR token per table so prices and tables can't be tampered with.
- Wrapped order and line-item inserts in one transactional PL/pgSQL function, so the kitchen board only ever sees complete orders.
- Shipped 80 mm thermal-printer bills, one-switch demo-to-live onboarding and a Cloudinary image pipeline.
- Covered the core logic with Vitest and property-based tests.

yt-autopilot Python, Claude Code, Kokoro TTS

A pipeline that writes, voices, edits and uploads a science channel: a Short every day, two long videos a week, nothing published until I approve the script.

PennyPilot ASP.NET Core, Angular 19, PostgreSQL

An expense and income tracker with per-user categories, filters and charts.

product-inventory-management .NET, Clean Architecture, EF Core

Inventory backend in Clean Architecture: products, stock levels and an audit trail of every movement.

SKILLS

Edge	Azure Front Door, Azure App Service, Azure Functions, Azure Key Vault, Azure DevOps, Docker
API	ASP.NET Core (.NET 8), Web API, REST design, JWT, OAuth 2.0, RBAC, Swagger / OpenAPI
Domain	C#, Clean Architecture, Repository + Unit of Work, Dependency injection, EF Core, LINQ, xUnit
Data	SQL Server, T-SQL, Azure SQL, Cosmos DB, PostgreSQL, Redis
Front end	Angular, Next.js, React, TypeScript

CERTIFICATIONS

AZ-305 Azure Solutions Architect Expert
PL-600 Power Platform Solution Architect Expert
AZ-104 Azure Administrator Associate
PL-400 Power Platform Developer Associate
DP-900 Azure Data Fundamentals

EDUCATION

Master of Computer Applications
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