

LEONARD G. "LENNI" LOBEL

Software Architect | Full-Stack Developer | Microsoft MVP | Author | International Speaker

Dunedin, Florida | Sleek Technologies, LLC

PROFESSIONAL SUMMARY

Highly accomplished, hands-on software architect and full-stack developer with more than four decades of experience designing and delivering sophisticated enterprise software. Known for an unusual combination of deep technical expertise, exceptional development speed, an uncompromising commitment to quality, and the drive and dedication to take complex systems from concept and architecture through successful implementation. Founder of Sleek Technologies, LLC and a 15-year Microsoft MVP, with deep expertise in SQL Server, Azure SQL, .NET/C#, Angular/TypeScript, and Microsoft Azure. Consistently trusted by major organizations to solve difficult technical problems, establish sound architectures, mentor development teams, and deliver production solutions rapidly without compromising quality, reliability, or maintainability. Also a Microsoft Press author, Pluralsight author, and international conference speaker and workshop instructor.



CORE EXPERTISE

C# | .NET / ASP.NET Core | SQL Server | T-SQL | Azure SQL Database | Angular / AngularJS | TypeScript | JavaScript | Microsoft Azure | EF Core | REST | JSON | XML / SOAP | SignalR | OpenAPI | Azure API Management | Oracle | Elasticsearch | Power BI | Microsoft Graph | Vector Search | RAG | MCP | Enterprise Architecture | Full-Stack System Design | Performance Engineering | Technical Leadership

PROFESSIONAL EXPERIENCE

SLEEK TECHNOLOGIES, LLC

Founder / Principal Architect & Consultant | 2000-Present | www.sleektech.com

Provide architecture, hands-on development, consulting, training, and technical leadership for organizations ranging from Microsoft and major financial institutions to healthcare organizations, law firms, technology companies, and state legislatures.

Oregon Legislative Counsel - DPMS

Lead Architect / Developer | Sep 2020-Jul 2026

Technologies: SQL Server/T-SQL, ASP.NET/C#, Angular/TypeScript, Elasticsearch, Decisions, SignalR, GroupDocs, Miramo

- Lead architect and developer for DPMS, a greenfield legislative drafting, workflow, indexing, search, and publishing platform replacing aging mainframe systems.
- Designed full-stack architecture and major implementation patterns; established code-quality standards and reviewed work across the development team.
- Created configurable docket/work-item architecture with dynamically defined schemas, forms, workflows, temporal hierarchical indexing and citations/cross-references; built advanced Elasticsearch global search and integrated document preview and publishing.

New Mexico Legislature - RLPS

Lead Architect / Full-Stack Developer | Dec 2023-Early 2026

Technologies: SQL Server/T-SQL, ASP.NET/C#, Angular/TypeScript, FlowWright, SignalR

- Architected and developed major portions of a legislative processing platform across database, service, workflow, and UI layers.
- Designed FlowWright integration for legislation, substitutes, amendments and related artifacts; developed SignalR-based live updates for proceedings, motions, votes and related activity.

Revolv3

Senior Software Architect / Developer | May 17, 2022-Oct 2022

Technologies: C#/.NET, EF Core, Azure SQL Database, Always Encrypted, Azure Key Vault, WorldPay, BridgePay, Adyen, REST/webhooks

- Implemented Always Encrypted with Azure Key Vault to protect credit-card numbers and other sensitive data in Azure SQL Database.
- Added and enhanced payment-processor integrations for WorldPay, BridgePay and Adyen, including authorization, capture, reversal/refund, tokenization, ACH and asynchronous webhook workflows.

New England Biolabs - Microsoft Teams Shifts Integration

Software Architect / Developer | Aug 2020

Technologies: C#/.NET, Microsoft Graph, Microsoft Teams Shifts, Azure AD, SQL Server, SharePoint, Azure WebJobs

- Built a C#/.NET CLI and integration engine around Microsoft Graph and Teams Shifts to manage employee scheduling and workplace-capacity restrictions during COVID-19.
- Supported users, open shifts, requests, approval/decline workflows, automated processing, capacity rules, and export to SharePoint and SQL Server for reporting.

PepsiCo - Power BI Custom Visual Training / Mentorship

Developer Trainer / Mentor | Aug 9-30, 2020

Technologies: Power BI, TypeScript, D3.js, SVG, custom Power BI visuals

- Delivered an intensive training and mentoring engagement for developers building custom Power BI visuals, progressing from SVG/D3 fundamentals through data binding, tooltips, selections, packaging, debugging and code review.

Tallan - Remote Voting

Software Architect / Developer | Mar-mid-2020

Technologies: Angular, ASP.NET Core/C#, EF Core, Azure SQL Database, Azure App Service, SignalR, Twilio, Azure AD/Microsoft Graph, iProov

- Designed and developed a pandemic-response remote legislative voting platform supporting roll calls, remote voting, live voting boards/results, vote history, security and notifications.
- Integrated SignalR real-time updates, Twilio SMS, Azure AD/Microsoft Graph and iProov facial biometric identity verification.

HireRight - ERNiE Reporting / Data Architecture

Data Architect / Consultant | Jan-Mar 2020

Technologies: Oracle, SQL Server, external/linked data access, dimensional modeling, star schemas, data lineage, performance analysis

- Reverse-engineered complex Oracle OLTP/reporting, staging and dimensional-warehouse structures supporting HireRight's ERNiE reporting environment.
- Mapped lineage across customer, order, product and billing domains; analyzed very large star-schema workloads and prototyped SQL Server access to Oracle.

HireRight - HireRight Connect

Software Architect / Developer | Aug 2019-Jan 2020

Technologies: ASP.NET Core/C#, REST, SOAP/XML, JSON, Azure API Management, OpenAPI/Swagger, JSONPath, XPath, Confluence

- Designed and developed a REST facade over legacy SOAP services, transforming JSON/REST requests into SOAP/XML and responses back into JSON.
- Built configurable template-driven transformations with JSONPath/XPath mappings, variable substitution and recursive structures; integrated Azure API Management, OpenAPI/Swagger and developer documentation.

BP - Power BI / Angular / ArcGIS POC

Software Architect / Developer | Jul-Oct 2019

Technologies: Power BI, custom Power BI visuals, Angular, Web API, SQL, ArcGIS Server

- Developed a proof of concept combining Power BI/custom visualization with an Angular application, Web API, SQL backend and BP ArcGIS Server.

Affinion - Phoenix Facade / Experian ECS Integration

Software Architect / Developer | Dec 2018-Jun 2019

Technologies: C#/.NET, REST, SOAP/WSDL, Swagger/OpenAPI, JSON/XML, CA Layer7 API Gateway, Experian ECS/SMS services, Quartz scheduling, SFTP, Postman

- Designed and developed an API facade and integration workflows connecting Affinion applications with Experian/ECS and Layer7 services.
- Implemented enrollment, identity-verification, credit-reporting and quarterly-update workflows involving REST/SOAP orchestration, transformations, batch processing, scheduling, persistence, file generation/encryption/SFTP delivery and online/offline subscriber processing.

Proskauer Rose - Client Intelligence Portal

Technical Architect | Aug 2018-Aug 2019 (intermittent)

Technologies: C#/.NET, Angular, SQL Server/Azure SQL, Azure, Power BI Embedded, Always Encrypted, secure enclaves, temporal/sparse data

- Served as Technical Architect for a reusable client-intelligence platform replacing spreadsheet-based management of proprietary legal/deal information.
- Prototyped dynamic schemas, temporal and sparse data structures, multi-valued lookups, confidential-field handling, Power BI Embedded and Always Encrypted/secure-enclave scenarios; later performed a comprehensive architecture and code-quality review.

Gen Re - Gen Re Connect / Mendix POC

Software Architect / Developer | Jul-Aug 2018

Technologies: Mendix, low-code architecture, dynamic forms, underwriting/rating/workflow modeling

- Developed a Mendix proof of concept for configurable property/casualty reinsurance programs, including dynamic submission forms, underwriting and rating rules, premium calculations, special-acceptance processing, quoting and binding.

Inland Empire Health Plan (IEHP) - EDIMS

Lead Architect / Developer | Jul 2015-Jun 2018

Technologies: SQL Server, T-SQL, SSDT, C#/.NET, ASP.NET, Angular/TypeScript, X12/EDI, temporal tables

- Architected and built EDIMS from the ground up as an enterprise healthcare EDI-processing platform.
- Designed database and application architecture for high-volume document/entity processing, temporal data, source/change tracking, generated data-access infrastructure, healthcare X12 processing and performance/scalability; produced comprehensive developer documentation.

AQR Capital Management - AngularJS Widget Toolkit / AWOL

Software Architect / Developer | Apr 2015 (~1 month)

Technologies: AngularJS, JavaScript, ASP.NET MVC/Web API, NuGet, Kendo UI, Jasmine, Protractor, Flot, RaphaelJS

- Designed a reusable AngularJS widget/component architecture and supporting developer toolkit with an interactive catalog, independent component development/testing, automated NuGet packaging/deployment and automated tests, refining patterns developed during the Experian engagement.

Experian - Public Web Platform Rebuild

Software Architect / Full-Stack Developer | Jul 2014-Jun 2015

Technologies: AngularJS, JavaScript, ASP.NET MVC, ASP.NET Web API, C#/.NET, HTML/CSS/LESS, NuGet, Jasmine, Protractor

- Participated in a major ground-up rebuild of Experian's public-facing web platform using then-new AngularJS over an ASP.NET MVC/.NET backend.
- Helped establish a reusable widget-based architecture using AngularJS directives, templates and styles, a dedicated widget catalog, shared data/injector layers, standardized development practices, automated packaging and testing.

Save the Children - TRUE (Tracking for US Emergencies)

Software Architect / Sole Developer | Jan-Jun 2014

Technologies: C#, .NET Framework 4.5.1, ASP.NET Web Forms, ASP.NET Web API, Entity Framework 6, SQL Server, Knockout.js, jQuery/jQuery UI, JavaScript, JSON, OData, Microsoft ReportViewer, SharePoint, Windows 8.1 Store/WinRT, XAML

- Sole architect and developer of TRUE, replacing an Excel-based emergency-tracking process with a secure, multi-user, database-backed platform.
- Designed and implemented the complete solution, including application architecture, relational database, security, auditing and immutable activity versioning, beneficiary-counting rules, validation and task-oriented workflows; delivered centralized web and Windows 8 field applications with synchronization.

H.J. Sims - IRRCalc Integration

Software Architect / Developer | Jan 27, 2014 (several days)

Technologies: C++, C#, .NET, P/Invoke/native interoperability, SQL CLR, SQL Server, SSRS

- Wrapped an existing 64-bit native C++ IRRCalc financial calculation library in C# using P/Invoke and exposed it to SQL Server as a SQL CLR user-defined function; also investigated SSRS integration.

McKinsey & Company - DM / DMX

Software Architect / Developer | Apr 17, 2012-Nov 2013

Technologies: Silverlight, C#, .NET, SQL Server, F#, multidimensional/OLAP-style data architecture

- Joined the Jersey City team developing Silverlight front ends for DM, McKinsey's internally developed multidimensional data platform.
- Independently conceived and built DMX (DM Explorer), a comprehensive explorer/query builder that impressed the Belgium-based core DM team and led to an invitation to join them for back-end platform development throughout 2013.
- Contributed SQL Server and C# expertise and learned/applied F# when the team adopted it during 2013.

Shearman & Sterling - Client/Matter Integration

Software Architect / Developer | Feb-Mar 2012

Technologies: BizTalk Server 2009, C#/.NET, SQL Server, WCF, XML/XPath, BizTalk Orchestrations/Business Rules, WCF-Custom SQL Adapter, SOAP/web services, Elite, LegalKey, GEM

- Developed components of a BizTalk-based enterprise integration platform synchronizing client and matter data among Elite, LegalKey and GEM.
- Implemented change detection, queue-based processing, canonical transformations, BizTalk orchestrations/routing, web-service integration, error/recovery processing and bidirectional GEM integration.

Optical Distributor Group / Digital Eye Labs

Software Architect / Developer | Jul 2009-Feb 16, 2012

Technologies: C#/.NET, ASP.NET, ASP.NET Web Parts, AJAX, SQL Server 2008, SQL Server spatial, Google API, JavaScript

- Designed and developed major components of B2B/B2C e-commerce platforms for optical products and contact lenses, including prescription-driven ordering, cart/checkout, pricing, promotions and administration.
- Built a drag-and-drop web-authoring platform using ASP.NET Web Parts for branded ordering sites; developed related Digital Eye Labs applications supporting detailed custom contact-lens manufacturing with AJAX-rich workflows.

D. E. Shaw - QuickFile

Software Architect / Developer | Dec 2010-Jan 2011

Technologies: C#, .NET, VSTO, Microsoft Outlook/Office 2007 object model, Windows Forms

- Custom-designed and developed QuickFile, an Outlook add-in tailored to David Shaw's personal high-volume inbox filing workflow, with streamlined folder navigation, moving/copying, reusable selections, background operations and undo/redo.

JPMorgan Chase - Office 2007 Migration / Automation

Consultant / Developer | Oct-Nov 2009; Jan 2010 follow-up

Technologies: C#, VSTO, Open XML, Word 2007, Excel 2007

- Provided Office 2007 migration guidance and proof-of-concept development in Glasgow, including Word automation; returned for additional Excel 2007 automation guidance.

Microsoft - Windows Azure / SQL Azure StockTrader

Consultant / Developer | Sep-Oct 2009

Technologies: C#, .NET, WCF, Windows Azure, SQL Azure

- Ported Microsoft's StockTrader reference application to the emerging Windows Azure and SQL Azure platform during the early Azure era.

GHI / EmblemHealth - Provider & Member Portals

Software Developer | Jul 2008-Jul 2009

Technologies: ASP.NET, .NET

- Developed front-end functionality for healthcare provider and member web portals during the GHI/EmblemHealth integration period, supporting both legacy GHI and EmblemHealth systems.

Bowne - WIN

Software Architect / Developer | Feb-Jul 2008

Technologies: C#/.NET, WCF, ASP.NET/web technologies

- Worked on WIN, Bowne's web-based publishing application, developing application functionality and integration services; designed and implemented a custom application security model.

UBS

Technical Advisor / Developer Mentor | 2006-2007

Technologies: .NET, C#, SQL Server 2005

- Mentored and guided an offshore development team in India. Built proof-of-concept/reference applications demonstrating recommended approaches and delivered presentations and training on current .NET and SQL Server capabilities.

Microsoft - Visual Studio 2005 Data-Oriented Starter Kits

Consultant / Developer | May-Jun 2006

Technologies: Visual Studio 2005, .NET 2.0, SQL Server 2005 / SQL Server Express

- Designed and developed five data-oriented Starter Kits for Microsoft's Visual Studio 2005 / SQL Server 2005 ecosystem, providing complete reference applications and reusable project templates developers could use as starting points for database-driven .NET applications.

Star Stainless Screw Co. - Internet Order Entry / E-Commerce

Software Architect / Developer | Jul-Oct 2003; Jan-Jun 2004

Technologies: VB.NET, ASP.NET/.NET, SQL Server, IBM DB2 integration

- Performed initial analysis and design, then architected and implemented a web-based B2B e-commerce/order-entry system with customer ordering, cart/checkout, order history, invoicing and multi-branch inventory availability.
- Designed a guided product locator/configurator that dynamically navigated complex fastener attributes to identify valid products and construct product numbers.

Legend Business Solutions - ManageIT POS

Software Developer | 2003-2006

Technologies: C#, .NET, Windows Forms; C# DLL-based back end and C# WinForms front end

- Worked on ManagelT, a retail point-of-sale platform with front-office register software and a back-office system for inventory, discounts and retail-management functions; focused primarily on the back-office component.

Mitsui - MATS (Mitsui Aluminum Trading System)

Software Architect / Analyst | Dec 2001-Jul 2002

Technologies: VB.NET, .NET

- Performed full-scale analysis and solution design for MATS, a complex system enabling automated electronic trading of physical aluminum.
- Modeled end-to-end business processes and designed the application architecture supporting products, sales contracts and the detailed business rules/processes involved in physical aluminum trading.

Government Data Publications (GDP)

Software Developer / Principal Developer | 1979-2003

Technologies: TRS-80 BASIC, Z-80 assembly, VAX/MACRO assembly, VB-DOS, Visual Basic 3/4/5/6, Classic ASP, .NET; CBDisk, govbusiness.com, custom spider/search and publishing/distribution utilities

- Began programming as an adolescent in the family-owned government-information publishing business and progressed through successive generations of business-computing platforms.
- Built CBDisk for DOS and later Windows as an electronic subscription/search product for Commerce Business Daily data, evolving from floppy and annual CD-ROM distribution to online delivery.
- Around 1998 developed govbusiness.com in Classic ASP, including a custom web spider and free-text search system, and built an extensive ecosystem of internal publishing, distribution, email/fax, export, media-splitting and data-processing utilities.

MICROSOFT MVP & PROFESSIONAL COMMUNITY

Microsoft Most Valuable Professional (MVP)

SQL Server / Data Platform | 2011-Present · 15 consecutive years

Recognized by Microsoft continuously since 2011 for technical expertise and sustained contributions to the SQL Server and Microsoft Data Platform community.

CONFERENCE SPEAKING & TRAINING

International Conference Speaker & Workshop Instructor | 2006-Present

Frequent international conference speaker, workshop leader, and hands-on lab instructor with 20 years of experience presenting advanced software-development and data-platform topics to professional developers and database practitioners. Regularly delivers highly technical, demo-driven sessions ranging from conference presentations to full-day workshops and hands-on labs.

Selected Conferences & Events: Visual Studio Live! (VSLive!), LIVE! 360 / SQL Server Live!, SQLBits (London), SQL PASS, SQL Saturday events in the U.S. and internationally, Techorama Belgium, Techorama Netherlands, Future Data Driven Summit, Microsoft Data Exposed, and developer/user-group events.

Selected Topics: SQL Server and T-SQL; Azure SQL Database; Azure Cosmos DB; .NET data access; database security and Always Encrypted; temporal tables; REST and GraphQL APIs; Data API Builder and MCP; vector search, embeddings and RAG; AI-enabled application development; and modern SQL Server 2025 development.

AUTHOR & TRAINER

Microsoft Press Author

- Programming Microsoft SQL Server 2008 — Microsoft Press, 2008; with Andrew J. Brust and Stephen Forte
- Programming Microsoft SQL Server 2012 — Microsoft Press, 2012; with Andrew J. Brust
- Windows Azure SQL Database Step by Step — Microsoft Press, 2014; with Eric D. Boyd

Pluralsight Author | 2012-2024

Authored an extensive catalog of developer and data-platform video training spanning SQL Server, Azure DocumentDB/Azure Cosmos DB, NoSQL data modeling and partitioning, and event-driven cloud architectures.

- Exploring SQL Server Tools and Language Enhancements — 2012
- SQL Server 2012-2014 Native File Streaming — 2015
- Introduction to Azure DocumentDB — 2015
- SQL Server 2016 for Developers — 2016
- Learning Azure Cosmos DB — 2017
- Data Modeling and Partitioning Patterns in Azure Cosmos DB — Mar 2020
- Building Event-driven Microservices using the Azure Cosmos DB Change Feed — Jun 2020
- Learning Azure Cosmos DB — Jan 2024 (complete refresh; 7h 44m)