Jacques Levy

Independent IT Consultant - Technilogika Consulting, Inc

Lithia, FL

-Email me on Indeed:

Professional Summary

Seasoned IT professional with experience across multiple technology sectors and industries, complemented by a successful tenure as an independent consultant since 2013. Proficient in a wide array of technical domains, including software and solution architecture, software development, cloud computing, and mobile development. Renowned for driving operational excellence, deploying innovative technology solutions, and steering cross-functional teams toward the achievement of project objectives. Eager to apply deep industry knowledge and comprehensive technical expertise in a challenging role within your esteemed organization.

Authorized to work in the US for any employer

Work Experience

Independent IT Consultant

Technilogika Consulting, Inc-Lithia, FL

2013 to Present

HEARTLAND (CONTRACTING FOR JINN STUDIOS)·

Maintained and enhanced an existing multi-tier application written in C#, utilizing both .NET Core and .NET Framework, to ensure optimal performance and reliability.

• Contributed to the development of a new version of the application, focusing on implementing advanced features and architectural improvements.

• Integrated and managed microservices and NServiceBus for efficient message queuing and communication across application components.

• Utilized Azure for cloud services and Oracle for database management, optimizing application performance in a cloud environment. Used Test-Driven Development (TDD) ensuring high code quality and early issue detection. Collaborated with cross-functional teams to align development efforts with project goals and timelines.

• Supported continuous improvement by participating in Agile practices, mentoring junior developers in best practices, and contributing with other architects.

Better Business Bureau Council (BBB.org)

• Re-architected application security, transitioning to AWS Cognito due to changes in Identity Server's licensing model.

• Overhauled logging strategy across all applications, shifting from log4net to Serilog. Introduced an abstraction layer to unify logging operations, enhance maintenance, and facilitate decoupling from specific logging systems. Expanded logging capabilities to include Datadog and Graylog.

• Transitioned application caching to utilize Redis, employing AWS's Redis implementation to optimize performance.

• Designed and developed multiple background jobs within the Hangfire framework using C# and SQL Server, enhancing application functionality.

• Led the migration of internal applications from .NET Framework 4.8 to .NET Core 3.1, and subsequently to .NET 6, ensuring modernization and compliance with current standards.

• Implemented a comprehensive security overhaul by integrating Identity Server as an Identity Provider (IDP) and facilitating single sign-on (SSO) capabilities.

• Conducted regular maintenance for BBB.org and an internal custom CMS system, utilizing technologies such as C#, SQL Server, Dapper, and SOLR.

• Developed a sophisticated messaging infrastructure to support a long-running process, based on client specifications. This system features multiple queues, customizable validation and persistence rules, leveraging technologies like C#, RabbitMQ, Windows Services, and Dapper.

MARATHON / SPEEDWAY / 711 (CONTRACTING FOR BEACON HILL)· Performed maintenance on a web-based accounting application, utilizing a tech stack comprising C#, AngularJS, MVC, and SQL Server to ensure optimal functionality and reliability.

• Designed and implemented multiple stored procedures and SQL jobs to streamline and automate the payment processing workflow.

• Conducted optimization of stored procedures to enhance database performance and efficiency.

• Played a key role in the software conversion process, adapting and updating the system to support seamless operations following the company's merger.

Bond-Pro (Lead Architect / Development Lead/Manager)

• Strategic Leadership & Resource Management:

o Steered the strategic direction of development across the organization, ensuring alignment with long-term business goals and technology trends.

o Managed resource allocation, including the selection and mentoring of a diverse development team, fostering a culture of innovation and continuous learning.

o Provided pivotal customer support, directly interfacing with clients to understand their needs, ensuring the product aligns with market demands.

• Agile & Collaborative Development:

o Chaired daily scrum meetings, facilitating planning, task assignments, and code reviews to maintain high standards of code quality and meet project deadlines.

o Fostered a collaborative environment by working closely with the Product team and stakeholders, contributing to the product direction and roadmap, ensuring stakeholder requirements were meticulously translated into actionable development plans.

• Architecture & System Design:

o Authored comprehensive technical design documents, drove the creation of proofs of concept, and led low-level infrastructure development efforts to pilot and implement cutting-edge solutions.

o Orchestrated the architectural design and development of a hybrid cloud and on-premises system for B2B policy intake, leveraging .NET Core, .NET Standard, API Gateway, Microservices, ESB, and Docker, showcasing a robust understanding of both cloud and traditional infrastructure paradigms.

• Standards & Innovation:

o Established and enforced coding standards, architectural components, and design patterns across the development team, ensuring a consistent, high-quality codebase.

o Innovated with the creation of a proprietary file format for secure and efficient file distribution, alongside developing a proprietary license generation and management system tailored to the organization's product line.

• Product Development:

o Led the design, architecture, and hands-on development of the company's flagship product, an enterprise-level commercial surety system, demonstrating a blend of strategic vision and technical expertise. This included:

o A multi-tier ASP.NET MVC/SPA multitenant system, incorporating a sophisticated SOA and Resource Authorization Layer, and extensive use of Microsoft SQL Server.

o Integration API design, advanced reporting capabilities with SSRS and Telerik, and a comprehensive suite of features including dashboards, rules engines, workflow customization, and a document management system.

o Employed a diverse technology stack including MVC, SPA, ES6, Web API/ServiceStack, SOAP/XML, MassTransit, Angular, RabbitMQ, and embraced advanced design patterns and frameworks to ensure scalability, security, and performance.

• Cloud Transformation & Integration:

o Spearheaded a major refactor of the main product to support cloud infrastructure, enabling its distribution as PaaS and offered as SaaS, marking a strategic shift from a monolithic on-premises architecture to a scalable, distributed cloud-native solution.

o Engineered a domain-specific language for insurance policy issuance, enhancing the development unit testing process and demonstrating innovative critical thinking skills.

o Achieved seamless integration with various external services (FileNet, TransUnion, OFAC, Dun & Bradstreet), enhancing the product's capability and market fit.

• Microservices & Cloud Technologies:

o Directed the transition of application libraries to .NET Standard to support a broader range of platforms and led the decomposition of main workflows into microservices architecture, re-implementing them in .NET Core for enhanced modularity and scalability.

o Implemented an API Gateway, and designed Sagas, Orchestrators, and Routing Slips for efficient management of distributed transactions, showcasing advanced knowledge in microservices patterns and cloud technology solutions.

Fleetistics

At Fleetistics, I led the design, architecture, and development of a sophisticated multi-tenant portal, specializing in Telematics, asset tracking, and fleet management. This robust application was crafted using .NET Framework 4.5 and capitalized on Azure's cloud infrastructure, incorporating technologies and methodologies such as Entity Framework (EF), MVC, Azure DevOps (formerly Cloud-based TFS), JSON, jQuery, Knockout (KO), Angular, and StructureMap for dependency injection. The development process involved employing various design patterns, including Unit of Work, Repository, Producer-Consumer, and Revealing Module, alongside Bootstrap, Handlebars, Web API, SQL Azure, and OData to ensure a modular, scalable, and efficient system.

Technical Highlights & Innovations:

• Satellite and GPS Integration: Facilitated seamless system integration with multiple GPS manufacturers, including GlobalStar, GeoTab, and NextTraq, utilizing XML, XSD Schemas, Web API, and Azure Cloud Services, enhancing the asset tracking capabilities.

• Telematics Features: Developed a comprehensive "How's My Driving" program and an alert/notification framework supporting SMS, voice, and email through Azure Cloud Services, Twilio, and SendGrid, significantly improving driver safety and fleet management.

• Asset Tracking: Implemented an advanced asset tracking system compatible with various GPS devices, integrating map display functionalities with OpenStreetMap, Google Maps, and MapQuest, providing users with real-time location data.

• Multi-tenant Security: Engineered a multi-tenant authentication system using ADFS, Azure ACS, and Claims, ensuring secure and scalable user access.

• Content Management and Reporting: Created a CMS module with a web-based page designer and a reporting portal system utilizing Telerik Report, supporting user-generated reports, scheduled reports, and a ROLAP pseudo-engine for analytics, thereby enhancing operational insights and decision-making.

• Operational Efficiency: Implemented a billing system and a subscription-based Data API, facilitating efficient management and data access for users.

FIS (contracting for craftek consulting)

Contributed to the architecture and development of critical modules and utilities within a comprehensive multi-tenant credit card management portal application. Aimed at serving a global clientele, this robust application was built using .NET 4.5.1, incorporating AngularJS, BreezeJS, Dependency Injection (DI), various design patterns, Entity Framework (EF), and the Task Parallel Library (TPL) to deliver a feature-rich platform.

Key Contributions:

• Reporting and Data Analysis:

o Contributed to a Report Portal System with SSRS, incorporating dashboard reports, dynamic report creation (RDL), ReportViewer control, scheduled reports, and background processing.

o Developed the Transaction Spending Analyzer module, employing Angular for UI elements and charts to enable detailed analysis of credit card spending patterns.

• Simulation and Integration:

o Developed Mainframe and RSA Web Service Simulators using Angular, XML Web Services, SOAP extensions, and XML, facilitating seamless testing and integration.

o Implemented processes for OFX (Quicken and QB) and ACH transaction exports, improving financial data interchange capabilities.

• Utility and Framework Development:

o Created a Web-based Fake Data Generator framework leveraging Microsoft Extensibility Framework (MEF 2.0), XSLT, Web API, SQL Server 2014, and MVC to accelerate testing and development.

o Designed a Custom Logging module for auditing and analytics, integrating log4net and MSMQ for effective message handling.

• Performance Optimization and Service Mocking:

o Developed a service using the TPL for processing log messages, efficiently moving data from MSMQ to a SQL database to maintain data integrity and system performance.

o Implemented Scheduler and Multi-task Services, using StructureMap and TPL for improved efficiency and task management.

• Development Tools and APIs:

o Utilized T4 templates for auto-generating synchronization code between resource and enum classes from SQL tables, enhancing development efficiency.

o Contributed to the implementation of multiple Web API controllers and business logic modules tailored to the credit card management sector.

AVP Software Developer / Lead Developer Role

JP Morgan Chase-Tampa, FL

2011 to 2013

• Designed and implemented an ICR processing system that integrates our in house application (CPI) to Brainware ICR/OCR engine. This system consists of 2 windows service and 1 web service used as a callback mechanism. Technology used: C#,.NET 3.5, SQL 2008, XML Schemas, WCF.

• Created payment processing module that transfers wire of Margin accounts from in house application to IB (MORCOM). Such process consists of two Windows Services and a middleware component that interfaces to a SQL database. Technology used: C#, .NET 3.5. SQL 2008.

• Developed a case investigation web service that interfaces with Pega PRPC. This service is consumed by Service Portal and ISB system. Application was written in C# using .Net Framework 3.5, XML and XPATH.

• Developed a payment verification web service for Europe (EMEA) and ASIA line of businesses. Such application provides previous and same day payment summary and detail information. Application was written in C# using .Net Framework 3.5 and also uses Oracle and DB2 databases.

• Developed a payment initiation web service that interfaces with other systems such as EPI, IVR, RPS etc. This application handles the creation of multiple payment types, payment verification and cancelation. This service also provides transaction auditing and logging functionality. Application was written in C# using .Net Framework 3.5 and also uses Oracle and DB2 databases.

• Wrote and Implemented SOA standards for the entire team.

• Created a reusable framework for addressing cross-cutting concerns within our applications. Such frameworks support: exception management, data export functionality, assembly configuration, logging, auditing, database utilities, validation (helper classes that mimics AOP thru the use of extension methods), SOAP extensions, registry manipulation, caching, plug-in pattern implementation etc.

• Created a set of SOAP extension modules to facilitate debugging current production systems.

• Lead, mentor and train other developers.

• Manage onsite consultants.

Lead Developer - Business Intelligence and Data Warehouse Team

Raymond James Financial

2006 to 2011

Responsible for architecting, designing and developing a web based report builder application. This application features Drag and Drop functionality, an in-house developed ROLAP database engine, programmatic creation, manipulation and deployment of RDL files into Microsoft SSRS. It also integrates with other OLAP systems. Technologies used: ASP.NET, CSS, C#, AJAX, JQuery, JSON, Web Services and ActiveX.

• Responsible for architecting, designing and developing a OLAP front end web application for RJ's data warehouse. Application features multi-view dashboards, KPI, analytical charts, static reports, report portal, report manager and drill down analytical features. Application was written using the following technologies: ASP.NET Ajax Framework, JavaScript, JSON, JQuery, Infragistics controls, Web Services, COM, XML, CSS, HTML, C#, SSRS 2008, SQL Server Analysis Services 2008 and MDX.

• Developed a set of MDX statements and Key Performance Indicators (KPI) to support Dashboards and Reports of Data Warehousing Team.

• Lead, mentor and train the Business Intelligence Team developers

• Member of the User Experience Team creating and evaluating User Interface Standards for the Organization.

• Member of the Application Architect Team assisting other developers in their application design.

Senior System Engineer

Raymond James Financial

2004 to 2006

Ported a mail auditing system from VB.NET to C#.

• Developed an Instant Messaging system for the Compliance Development Team using .Net Framework and C#.

• Maintaining and optimizing poor performance web applications

• Member of the Application Architect Team assisting other developers in their application design.

• Designed and developed the framework for the new Investment Planning System. Such framework was based on ASP, AJAX, JavaScript, IE behaviors and CSS.

• Developed a reusable set of UI components based on IE element behaviors (grid, asynchronous post, popup menu, sliding panels etc) that enhance the user interface experience of our applications.

• Worked as a member of the .NET code review committee performing code reviews, providing recommendations and establishing standards on .NET development.

• Created the Application Development Roadmap for the entire firm that helped developers to migrate legacy applications to the new windows development environment.

• Developed an Enterprise Client List reusable component that provided Client information to any consumer.

• Technologies used: VB, COM, T-SQL.

Senior System Engineer

Raymond James Financial

2003 to 2004

Working as an ETL developer, creating DTS packages to retrieve, transform and load data into the warehouse. Technologies used: Microsoft SQL Server 2000 DTS, COM, T-SQL

• Developed an impersonation mechanism to test the Cube security in the warehouse. Technologies used: Microsoft SQL Server 2000, T-SQL, Classic ASP.

• Worked in an Analysis UDF that provided security for the Cube.

• Created Date Dimension for the Warehouse that supports multiple calendars and handles different date needs for the organization. Technologies used: Microsoft SQL Server 2000 Analysis Services, T-SQL.

System Engineer - Retail Strategic Development Team

Raymond James Financial

1999 to 2003

Responsible for redesign and maintenance of payroll related applications that display production and trading activity at any level of the firm (Region, Branch, FA etc.). Written in ASP/JavaScript, DHTML. XMLHTTP (aka AJAX) using MS SQL Server as the backend.

• Responsible for redesign and maintenance of account linking application; an application that allows Financial Advisors to link clients under one mailing address saving money to the company on shipping fees. The application was written on ASP/JavaScript and XMLHTTP using SQL Server as the backend.

• Designed and created a security component for the retail area of the firm; this reusable component was created using ActiveX technology and provided validation and authorization capabilities to any consumer. The application was written on Visual Basic using XMLHTTP as the transport and ASP as the interface between the database (SQL Server) and the client.

• Responsible for designing and creating a Quote/News service. This system was developed as a Windows NT service that retrieves and stores delayed and Real-Time quotes from a third party vendor in a database.

• Technologies used: Visual Basic, C++, MSMQ, ADO and SQL Server.

• Payroll Utilities Web Services: A series of web services that provides production information to client applications. These pages were written before .NET was available in the market and it was implemented using the SOAP protocol using a series of technologies such as XMLHTTP, JavaScript, XSLT, XSD etc.

System Analyst / Lead Developer

Helvetia Del Caribe-San Juan, PR

1997 to 1999

• Developed imaging applications, security components and credit report inquiry server for the credit union banking area using: DCOM, COM, ODBC API, Visual Basic, Borland Delphi, Borland JBuilder, Microsoft Access and Microsoft SQL Server.

• Developed Visual Check, a check scanning/archival and clearing system that automates the bank clearing and reconciliation process. Application was feature in the October 98 edition of Visual Basic Programmer's Journal (Visual Basic Heroes Section).

• Developed an Image archival system for the AIX operating system.

Education

B.S. in System Analysis and Design

Electronic Data Processing College

1990 to 1993

A.S. in Business Administration

Electronic Data Processing College

1990 to 1993

Skills

- SQL (10+ years)
- MS SQL SERVER (10+ years)
- SQL SERVER (10+ years)
- DATABASE (10+ years)
- C# (10+ years)
- XML
- APIs
- Java
- JavaScript
- Web Services
- REST
- Bootstrap
- Git
- MySQL
- Agile
- AJAX
- User Interface (UI)
- SDLC

- SVN
- CSS
- TFS
- Unit Testing
- MVC
- SOAP
- Application Development
- AWS
- Data Warehouse
- ASP.NET
- Software Development
- .NET Framework
- CI/CD
- Angular
- Microservices (5 years)
- React / React Native (2 years)
- Angular JS (5 years)
- Messaging (MSMQ, Rabbit, Service Bus, etc) (7 years)
- SQL
- Software Architecture
- Solution Architecture
- Docker

Additional Information

SKILLS SUMMARY

• Programming Languages: Proficient in a diverse array of programming languages, including but not limited to C#, VB.NET, JavaScript, TypeScript, C/C++, Java, ANSI SQL, PL/SQL, and T-SQL.

• Web Development and Frameworks: Extensive experience with web development technologies and frameworks such as ASP.NET MVC, Web API, Web Forms, Angular, React Native XML technologies. Proficient in RESTful services SOA, NodeJS.

• Infrastructure and DevOps: GitHub (CI/DI), Azure DevOps, and Docker.

• Cloud Development: Experienced in cloud development platforms, specifically Windows Azure and AWS.

• Messaging Technologies: Proficient with various messaging technologies and services such as RabbitMQ, MSMQ, NServiceBus, EasyNetQ, MassTransit, Durable Task Framework (DTFx) and Azure Bus.

• Database Technologies: Proficient in a diverse array of database and related technologies, including Microsoft SQL Server, Oracle, MySQL, FireStore, MongoDB.

• Business Intelligence: Experience with Business Intelligence tools and practices, including Analysis Services, Integration Services, Reporting Services, Cube modeling, development, and implementation.

• Source Control: Experienced with multiple source control systems, including TFS, SVN, Star Team, and GIT.

• Development Methodologies: Proficient in various development methodologies, including Agile, Waterfall and SCRUM.

• System Architecture: Advanced understanding of system architecture and design patterns, enabling the development of robust, scalable, and efficient systems.