

Mario T. Lanza

1802 Creek View Drive; New Cumberland, PA 17070
mlanza@doesideas.com
(717) 770-0303

- **Delivers complete technology solutions.**

My experience spans all phases of systems implementation from the frontend application to the backend database. I have independently implemented and deployed entire systems.

- **Takes the initiative to make things better.**

No matter where I've worked, I've sought to improve what was, to make something – whether it be workflows, coding practices or a system design – better. I derive great satisfaction from taking something and making it better.

- **Brings creativity that's rooted in a passion for what I do.**

I am a technical generalist, enthusiast and lifelong learner. Programming is not just a job to me. It's a passion and in my free time I write code, read voraciously (programming books, online blogs, articles, news, you name it), watch tech videos, and experiment with lots of technologies, libraries and tools. I learn something new everyday. In a nutshell: creating things and solving problems is my idea of fun.

Languages

VB.NET

C#

Ruby

Javascript

T-SQL

VB/VBA

Databases

SQL Server

MySQL

Sybase

Oracle

Access

MongoDB

Web

Rails

Javascript

ASP

HTML/XHTML

CSS

jQuery/Prototype.js

AJAX/DHTML

XML

JSON

Platforms

Linux

Windows

Preferred Tools

text editor

shell

Git

outliner

wiki

Firefox

Firebug

OBJECTIVE

To design and write new systems or rewrite legacy systems for the web and the desktop.

PROFESSIONAL EXPERIENCE

2007-present. Consultant. Modis (a.k.a. Ajilon). Mechanicsburg, PA.

Administrative Offices of Pennsylvania Courts (2007-present)

- Developed court management system (VB.NET, Sybase, T-SQL).
- Initiated and implemented architectural improvements and promoted better coding standards.
- Recognized as one of the most technically proficient developers on the team, I was asked to take part in all code walkthroughs. Everyone from coworker, to boss, to lead architect came to me when faced with bugs and technical problems of all sizes. I became the team's go-to guy.
- First team programmer to be given the liberty to develop custom controls and framework enhancements, a task that the lead architect had handled exclusively.
- Advised the lead architect via my participation on the framework team – a team which helps guide top-level decisions, test new directions, and which takes on the trickier technical problems and projects.

2001-2010. Independent Contractor.

Personal Startup (2010-present)

- Designing and creating topic management system (Linux, Ruby on Rails, Javascript, jQuery, AJAX, MongoDB) that I will open source and on which I will launch my first commercial website.

Daybreak Church (2007-2010)

- Developed and deployed website/webapp (Linux, Ruby on Rails, MySQL, jQuery, AJAX) with an array of administrative modules for managing: content, members, small groups, events (integrated with custom Google Calendar client) and email invitations, and service project registration.

Yes Solutions – Subcontracted by DataQuest, Inc. (2006-2007)

- Built subscription subsystem (VB.NET, Oracle, IBM WebSphere, message queuing) similar to Netflix but dealing instead with books. The subscription subsystem was one of the first services of a wider initiative to offer commercial services.

- Wrote the daily batch processes (VB.NET, Oracle) necessary for billing/shipping, sending emails alerts to subscribers based on events with their accounts, and archiving/deleting old data.
- Migrated 3 subsystems: Subscription, List Management, and Credit Card.

Currency One (2001-2006)

- Independently designed, created and deployed a complete system for managing a check cashing chain. The system included a point-of-sale teller application (C#, SQL Server) used in nearly 60 locations as well as a backend web application (ASP, SQL Server, Crystal Reports) for managing those locations.
- Researched third-party software in order to develop a competitive check cashing product.
- Helped develop the algorithm used to manage each location's cash inventory (pickups and deliveries).
- Implemented custom replication and batch jobs (C#, FTP, XML, SQL Server).
- Created ticket management application (ASP, SQL Server).

2005. Consultant. TekSystems. Harrisburg, PA.

Civil Service Commission

- Developed/deployed thin replication software (C#) used to sync statewide database servers.

2000-2001. Consultant. Data-Quest, Inc. Harrisburg, PA.

Office of Mental Retardation – Subcontracted by Deloitte & Touche (2000-2001)

- Designed and specified a web-based system (SQL Server) by which mentally handicapped persons apply for and receive benefits.
- Participated in regular client meetings and systems design sessions.

Office of the Inspector General (2000)

- Developed statewide welfare application tracking software (VB, SQL Server).

1997-2000. Consultant. Keen (a.k.a. Metro, Solution Technologies), Camp Hill, PA.

Target Systems (1999-2000)

- Created system (VB, MS Access, SQL Server) for check cashing stores that gathered and consolidated remote data for location management.
- Developed automobile auction software (VB, SQL Server, Crystal Reports).
- Created money order receipting and transmission software (VB, ActiveX vendor components).

Pennsylvania Health Care Cost Containment Council (1999)

- Developed system that processes and validates hospital data (SQL Server).
- Developed automated reporting system (VB, Crystal Reports).

Inservco Insurance Services, Inc. (1997-1998)

- Migrated our largest account from a legacy system to a new vendor system (SQL Server, Access).
- Developed custom processes and reports (COBOL, Crystal Reports).

EDS/Medicare – Common Working File Maintenance Team (1997)

- Developed/maintained batch processes, screens (COBOL, CICS, DB2) and documentation while following rigorous CMMI standards.
- Learned the value of regression testing and continual process improvement.

1994-1997. Programmer Analyst. Penn National Insurance Company, Harrisburg, PA.

Agency Interface (1995-1997)

- Designed, specified, and wrote (with just 1 other programmer) the company's first-ever data interface between agencies and insurance carriers. The system integrated mainframes and microcomputers (COBOL, VB).
- Learned the value of investing time in the up-front design. Delivering a near-flawless system ahead of schedule, our team became a company success story.
- Designed an incident tracking system (Access) which other teams adopted for their own use.

Inservco Insurance Services, Inc. (1994-1995)

- Initiated the revamping of the means by which we added new customers to our system (COBOL, JCL). This reduced the labor required to add a customer from 3 days to 3 hours.
- Initiated analysis and then eliminated low-value legacy reports greatly reducing our paper usage.
- Revamped system (COBOL) to accommodate a huge, new account. Migrated that account.
- Developed/maintained applications, reports, and batch processes (CICS, JCL, COBOL, DB2, VSAM).

1994. Consultant. Ajilon (a.k.a. Adia), Mechanicsburg, PA.

Consultant for Penn National Insurance.

1993. Systems Engineer. Rite Aid Corporation, Camp Hill, PA.

Warehousing/Distribution

- Developed/maintained applications, reports, and batch processes (CICS, JCL, COBOL, DB2).

PROJECTS

Listed some projects to illustrate that I write software for fun even when I'm not officially "working":

- currently creating topic management system (inspired by topic maps and graph databases)
- online content management apps, primarily used by churches I've attended
- a dozen or so Radiant CMS extensions
- Ruby client for accessing/updating Google Calendar events
- application for tracking hours and invoicing clients
- a couple SQL server GUIs
- task/goal management application for "getting things done"
- application for tracking and organizing bookmarks
- knowledge management applications for personal projects
- blogging applications

EDUCATION

1990-1992. Thompson Institute. Harrisburg, PA.

Associate Degree (4.0 GPA)

Business Information Systems Curriculum.

- First in class
- Perfect attendance
- Participated in various committees