Jack Imburgia

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SUMMARY

- Extensive experience reverse engineering financial and cash flow models into software applications
- Experience developing software for fixed income derivatives, structured finance, and securitization
- Excellent communicator and hard worker

EDUCATION

MBA Information Systems Management - August 2001
Temple University - Philadelphia, PA

BS Business Management - May 1996
North Carolina State University - Raleigh, NC

PROFESSIONAL EXPERIENCE

Principal Consultant November 1999 to Present
Spearing Software – Plymouth Meeting, PA www.spearing.com

Spearing Software is a boutique software development company started in 1999 that services the banking and financial industries. We develop custom financial modeling software for our clients with a focus on converting Microsoft Excel models into web and Windows applications. Our software designs adhere to modern software engineering principles and utilize what we consider the best aspects of object oriented and functional programming.

RECENT PROJECT: ***Tender Option Bond Modeling and Reporting System***
Since mid 2006, I have been the architect and lead developer for a tender option bond system for a client. The software models, calculates, validates, and reports on tender option bonds and other similar structures. The system is based on a waterfall engine that allows for the modeling of the most sophisticated structures. It includes a robust reporting component and is also integrated with several third party systems. The software design allows for the easy integration of new structures and deal types.

- Supports a variety of underlying collateral / asset classes such as fixed rate bonds, floaters, zero coupon bonds, preferred stock, auction rate securities, and Build America Bonds.
- Capable of sophisticated expense / fee modeling including liquidity facility, letter of credit, remarketing and trustee.
- Easily model certificate classes such as inverse / residual interest bonds.
- Capable of accrual and valuation reporting.
- Ad-hoc reporting capability.
- Reconciliation with third parties, automatic rate imports, corporate actions integration.

OTHER PROJECTS: Corporate Software Architecture Analysis, Accounting Profitability Application, Personal Investment Policy Wealth Management System, Fair Market Value Calculation System, Bill Payment System, Proposal Cost Estimating System, Advanced Microsoft Excel Training, Custom Microsoft Excel VBA Programming Training

Business Systems Programmer / Analyst Keystone Mercy Health Plan – Philadelphia, PA 1999
Financial Systems Analyst Lockheed Martin – King of Prussia, PA 1996 to 1999

TECHNICAL SKILLS

Languages	C#, VB.Net, F#, VBA, SQL, XML, HTML, CSS, JavaScript
Web Development	ASP.Net, Web Forms, Model View Controller (MVC) architecture
Windows Development	Windows Presentation Foundation (WPF), WinForms, Model-View-ViewModel (MVVM) architecture
Development Methodologies	Iterative Development, SCRUM
Design Patterns	Factory, Strategy, Decorator, State
Development Environments	Visual Studio 2010/08/05, SQL Server Management Studio, Microsoft Expression Blend 4, Visual Studio 6.0
Databases	SQL Server 2008/05, SQL Server Compact Edition, Oracle, Access
Source Control	Team Foundation Server, Visual SourceSafe
Business Applications	Microsoft Office, Visio, Erwin
Reporting	SQL Server Reporting Services, Crystal Reports
Third Party Controls	Telerik, ComponentArt

References available upon request