Christopher Michael Maxim

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Objective: A position as a programmer using C# and the Microsoft .Net Framework.

Summary of Skills:

Languages:	English (native), Spanish (7 years)
Programming Languages (years):	Delphi (18), C# (13), Razor/MVC3 (6), ASP.Net (12), SQL (18), Java (6), MDX (1), ECMA/JavaScript (16), HTML/5 (16), CSS (16), C/C++ (18), Pascal (22), Python (2), MDX (1), Silverlight/XAML (6), Win32 API (18), XNA (1), Ruby (1), PHP (4), TwilioML (8), VXML(2), Scheme(1), Basic (2), Assembly (Intel x86 and MIPS) (1)
Frameworks & Components:	Net Framework (1.1 – 4.6.2), Mono, PhantomJS, RabbitMQ, Redis, IP*Works, iText/iTextSharp, Telerik, Developer Express, Indy, Melissa Data, NCTSoft, Eldos, MindFusion, USP Express, Polar Spellchecker, many other components.
Databases & Search Engines:	MS SQL Server (6.5 – 2016), Oracle (10g – 11g), PostgreSQL, MySQL, Solr
Operating Systems:	Microsoft Windows (3.1 - 8, 2000 – 2016 Server), Linux (various), Android, Windows Phone, MacOS, Solaris, BeOS
Web Servers & Portals:	IIS, Apache, SharePoint, nopCommerce, Community Server
Clouds & Payment Processors:	Rackspace, Amazon, Bitcoin, Litecoin, PayPal, Authorize.Net
Source Control & Project Mgmt:	SVN, TFS, CVS, Perforce, Visual SourceSafe, JIRA
Applications:	MS Office, Adobe PhotoShop, CoolEdit, many other applications

Work Experience

Maxim Software Development LLC (Sep 2000 – Current)
Dallas, Texas
Owner/Manager

Started, operated, and manages a single member LLC focused on providing custom software development, technical consulting, and custom application support. Clients included Intelemedia Communications, Omnicom subsidiary M/A/R/C dba TargetBase, Bizniz Developers, Chordial Solutions, Tagelmoust LLC, and 24x8. In addition to establishing reseller channels and general business responsibilities, was responsible for designing and maintaining a variety of platforms and applications including:

- An object modeling and platform generation framework in C#, WCF, T-SQL, and ASP.Net with AJAX. This framework utilizes code generation techniques to transform XML metadata into functioning C#, WCF, and ASP.Net source code. The generated architecture implements a provider model and was designed for extreme scalability and redundancy. Transformations are accomplished using custom XSL templates and the Saxon XSLT and XQuery Processor. The generated source code leverages custom C# base classes, business objects, object providers, singletons, WCF service providers and proxy classes, ASP.Net server controls, ASP.Net web forms and code behind files, and T-SQL stored procedures. Reflection is used to facilitate and expedite object CRUD functionality and database mapping. Integrates with nopCommerce to facilitate e-commerce transactions and provide store front capabilities. This framework was initially developed using the Microsoft .Net Framework 2.0 and refined to support interim releases of the .Net Framework through version 4.0 in order to leverage new technologies like LINQ once released by Microsoft.
- Created the MSD Services.Host and Scheduler Windows Service which hosts WCF services without IIS and allows for custom .Net "scripts" to be executed according to a defined schedule. WCF hosting eliminates the need for the overhead required by hosting WCF services under IIS, and the scheduler leverages the .Net CodeDOM to allow for custom .Net scripting which is compiled and executed on demand.
- Designed a distributed platform of custom servers to monitor, test, log, and notify end customers of server/end point outages or failures. The custom monitoring "probes" were designed to be deployed in the Amazon elastic cloud via a Windows Server 2008 core server install with a custom build of the normally non-supported .Net framework running on the core install which allowed probes to be created as necessary in a matter of minutes.
- Assisted a business customer automate the creation of custom greeting cards using client's proprietary portal framework and interfacing with their printing vendor to meet specifications for printed materials including bleeds using ASP.Net Web Services, iTextSharp and C#.
- Worked with a client to salvage a lead generation web application using the Microsoft Entity Framework, Domain and RIA Services, Silverlight 2.0, and ASP.Net. The Entity Framework, Domain and RIA Services were used to expedite database functionality and service calls. Silverlight was used to create the administration user interface as well as the end-user GUI. Rich user interfaces leveraged Telerik Silverlight controls as well as transformations and effects native to Silverlight in order to emphasize important visual elements.
- Architected and implemented a robust, distributed, and high availability 3-tier client-server application for audio file transcription in Delphi. This application suite became a "platform component" for this client and continues to be one of the most stable parts of the client's entire software infrastructure. This suite of applications has allowed the client to reduce their transcription staffing requirements by 80% compared to their previous software and provides the ability to processes well over 1 million audio comments per year. Between its release in 2004 and July 2010, over 7 million audio comments have been processed by this application allowing the client to realize several million dollars of revenue.
- Implemented a multi-level audio file queue to provide a client with a streamlined process for recorded audio file archiving, compression, and distribution. This archiving subsystem is a mission critical component of the client's platform and integrates with their transcription and network monitoring software. Designed and developed a complete suite of Win32 developer tools for a telecommunications company to accelerate end-client application development times significantly. These applications were written in Delphi and were also used by Maxim Software Development LLC to write a wide range of IVR applications and scripts.
- Designed and developed an internet device monitoring system called "PingMonitor" that is used for real-time monitoring of network devices used by a client's proprietary VoIP network. Monitoring of these devices requires multiple checks of each device per second and device failure notification reporting to a SysLog server.
- Responsible for the design and implementation of a web portal and content management system using Delphi, PHP, MySQL, and Apache for Windows. The portal was written as an Apache DSO and leveraged PHP to generate the resulting pages sent to web site visitors. The portal allowed for multi-site hosting.
- Performed research and development activities for his clients. Activities included application prototyping, architectural design advice, and technical solution research and consulting.

Brand Protection Agency LLC (May 2015 – February 2017)
Dallas, Texas
Senior Research Developer

Employed by a leading company performing product price monitoring and MAP enforcement for manufacturers as the primary R&D developer. Responsible for creating a web service leveraging PhantomJS to provide easily scriptable, state machine based web page automations with complex web sites in order to retrieve product pricing information. Provided guidance in the development of a custom proxy server to allow for recording of web page interactions by internal employees and vendor web sites in order to quickly script product price configuration on vendor web sites in order to avoid XSS browser limitations. Developed a robust, distributed, and highly scalable web crawling platform in C# capable of retrieving 500 million web pages per month. Web crawling platform required development of individualized service components loosely coupled with RabbitMQ queues responsible for:

➢ Retrieving and maintaining current crawl state for every web page hyperlink for web sites targeted by the platform,
➢ Analyzing web page content and extracting qualified hyperlinks for further crawling and discovery,
➢ Accumulation of web page content via Solr search engine for additional data mining.

MultiView Inc. (March 2014 – October 2014)
Richardson, Texas
Contract Senior Software Developer

Completed a contract for a system integration project for one of the leading B2B online advertisers as an integral member of a 10 developer team. The integration project involved creating a combination of Windows services, ASP.Net MVC applications, and WebAPI services to provide integration and management of the entire enterprise with the organization's Windows domain controllers, Dynamics AX and CRM accounting portals, and NICE VoIP recording platforms. Project responsibilities included:

➢ Leveraged ADOMD.Net and MDX queries with a SSAS data cube to provide near real time and historical "big data" organizational sales reporting metrics via web service and custom sales reporting dashboards,
➢ Implemented a multithreaded Windows service message queue and accompanying WebAPI message service endpoints based upon the client's initial proof of concept,
➢ Various feature implementations, defect corrections, and parallelization performance optimizations for the enterprise management MVC applications.

Cardtronics, Inc. (May 2012 – October 2012)
Frisco, Texas
Contract Senior Software Developer

Completed a contract ahead of schedule with the world's largest non-bank ATM operator that allowed them to salvage a failing outsourced project and put into production their patented FeeAlert ATM surcharge fee notification platform. FeeAlert is a highly componentized distributed computing platform (10 WCF WCF SSL services) required to analyze ATM transaction data supplied by their client banks and ATM machines to identify alert-able transactions based on a variety of business rules. An ASP.Net MVC3 Razor application was used to allow consumers to enroll, manage settings, and opt-out of notifications as well as view detailed information about their transaction including near-by surcharge-free ATMs displayed in an embedded Google Maps control. Cardtronics demonstrated FeeAlert at two major banking trade shows and secured additional clients interested in providing the service to their account holders.

HMS Auto Sales Inc. (November 2010 – March 2011)
Addison, Texas
Contract Programmer

Completed a short contract for a brand new start-up company HMS Auto Sales Inc. focused on creating a customized vehicle management solution for the towing industry. Was also responsible for team management functions including hiring, terminating, overseeing additional developers and managing the project development timeline. Project management used JIRA for task and bug tracking and project time-lining. From inception to completion of the first beta version of this application was accomplished in a single quarter. Development leveraged the Microsoft .Net Framework 4.0 stack, SQL Server 2008 R2, C# WinForms, RESTful C# WCF web services, and integrated Crystal Reports 2008.

Zynga/Bonfire Studios LLC (Aug 2010 – October 2010)
Dallas, Texas
Contract Programmer

Contracted by Bonfire Studios LLC, which was acquired by Zynga in October 2010, to assist in the development of the Microsoft Game Studios' Game Chest series of video games for Windows Phone 7. Application development used Silverlight (3.0 & 4.0), Microsoft .Net 4.0, and Microsoft XNA. Was the primary developer responsible for the design and implementation of web-based companion versions of games including backgammon and Chinese checkers in order to compliment and allow cross-platform, asynchronous, multiplayer game-play with non-phone based users. Beta versions of the Silverlight companion games were demonstrated at the Microsoft Professional Developer's Conference 2010 as examples of how to use Silverlight, the Microsoft Gamer Services API, and Microsoft Azure in the development of Windows Phone 7 applications.

Additional Work Experience Available at www.christophermaxim.com

Education
University of Notre Dame
Notre Dame, Indiana
Bachelor of Arts in Philosophy*(147.5 hours completed, 21 hours left)

As a student at the University of Notre Dame, completed two semesters of study in Philosophy as well as five semesters in Computer Science and one semester in Physics. Also gained valuable leadership skills as a cadet in the Fighting Irish Army ROTC battalion. Relevant courses included:

❖ Data Structures and Database Concepts
❖ Formal Logic
❖ Computer Architecture I & II and Digital Logic Design
❖ Discrete Mathematics
❖ Calculus I-IV, Differential Equations, Physics I–III, and Chemistry I & II

Plano Senior High School
Plano, Texas
High School Diploma
Finished high school as an advanced student with honors and was in the top 10% of graduates. Received a 5 on the computer science advanced placement exam. Completed JROTC program as the Wildcat Battalion's Training and Operations officer as a Cadet Major and received the battalion's Superior Cadet award once.

Personal

Recipient of an Army ROTC four-year scholarship. Wrote an internationally registered, online multi-player BBS door game. Enjoys philosophy, art, music, reading, writing, drawing, golf, trap and skeet shooting, and of course computers.

References and Salary History

References and salary history available by request.