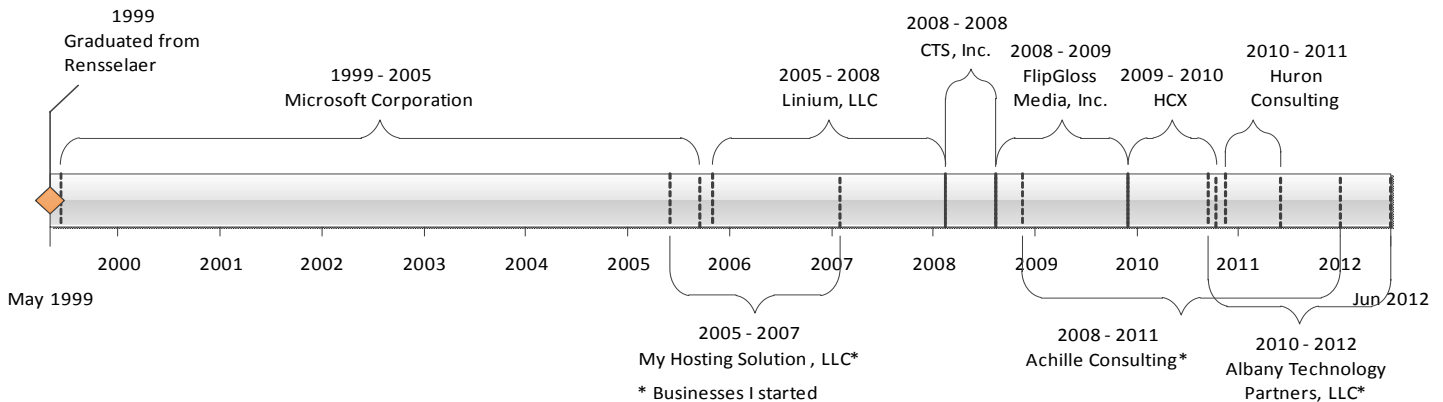


Christopher Achille

chris@achille.com
http://chris.achille.com

518-765-8501
10 Mountainview St., Voorheesville, NY



EDUCATION

Rensselaer Polytechnic Institute, Troy, NY
Bachelor of Science, Computer Science

May, 1999

SKILLS

- Architect technology solution from end to end to meet specific business objectives.
- Design products, features and solutions according to customer requirements and concerns.
- Develop software that needs to run in high availability scenarios.
- Experience taking a project from conception to implementation and release.
- In depth knowledge of many Microsoft products and software.
- Lead code reviews to improve security and quality of code.
- Consult and show how technology can be used within existing business to improve the ways things are done.

EXPERIENCE

Albany Technology Partners, LLC, Voorheesville, NY September 2010 to Present
Owner and Technology Consultant

- Create technology consulting company specializing in bringing technology solutions to small businesses.
- Support existing technology products for clients and advise on how other technology products can be integrated and benefit their organization.
- Build and maintain relationships with partner vendors who provide some of the core services that we offer.
- Built prototype application for analyzing Aggregate Spend for organization and comparing to other organizations and national averages.
- Design and build custom workflow application for NY State Liquor Authority to efficiently process temporary liquor permits.

Project Consultant for Aggregate Spend Initiative and Big Data Initiative (sub of Huron Consulting)

- Help architect and design system for capturing aggregate spend information to accommodate state reporting and the new federal requirement.
- Capture and build out Business Requirements for large Pharmaceutical Company to interface enterprise data source systems into Aggregate Spend Program.
- Designed system to capture key performance indicators (KPI's) for evaluating and improving business processes and procedures.

Technologies

.Net Framework
SQL Server 2008
Amazon AWS (S3, EC2, Elastic MapReduce, etc.)
WCF and WF
Web Services
Windows Server 2008
SOA
HTTP
AJAX, JSON
Windows Mobile Dev.
Networking
MySQL
ISAPI/CGI

Languages

C#
C/C++
T-SQL
ASP.NET
Javascript
Java
Python
Atmel Assembler

Tools

Visual Studio 2010
SQL Management Studio
Subversion (and CVS)
Red Gate SQL Compare

- Architected Big Data system for collecting and aggregating both internal proprietary data, and structured and unstructured external systems.
- Leverage and consult on Amazon and BigData technologies such as S3, EC2, VPC, Elastic MapReduce, RDS, Route 53, Hadoop, HDFS, Hive, HBase, Pig, and Mongo.
- Helped build web analytics and social media tool for delivering spend analytics data and sharing with colleagues. This solution leveraged Mongo for unstructured data and also used Python for dynamic development environment.

Achille Consulting, Albany, NY

Consultant at HCX Solutions

November 2009 to October, 2010

- Built healthcare service application for monitoring of remote sites, uploading of data to cloud server, and customer notification mechanism.
- Create template processing engine for semi-structured data.
 - Built library to be incorporated into multiple applications to process data.
 - Created WinForms UI to accommodate rule generation and data validation.
- Develop customer portal site and installation application to facilitate rapid customer deployments.
- Create reporting site to display statistics on consolidated remote site activity and system statistics.

Consultant at Linium, LLC

April 2008 to December, 2012

- Service and support existing healthcare application and architecture.
- Support and extend existing mobile application product line.

FlipGloss Media, Inc., Venice, CA (remote employee)

August 2008 to November 2009

Software Architect

- Helped build a premium photo publishing web startup company which was acquired by Forbes Media Inc., a leading online publisher.
 - FlipGloss is a web start-up pioneering new editorial and advertising solutions for premium photo content in fashion, home/design, travel and other lifestyle categories.
 - Partners of the company include Variety, Forbes, Scripps Networks, Target, BMW, Demand Media, Equinox and other leading media and product brands.
- Architected, setup, and maintained globally load balanced production data centers.
 - 5 levels of abstractions including front end web servers, caching servers, DAL services, search services, and then the backend database servers.
 - Fault tolerance at every level provided by Barracuda Load Balancers and SQL Server Mirroring.
 - Consisted of 25 servers located across one production dc in LA, one in NYC, and one intranet dc in LA.
 - Created network architecture which included different physical networks at each abstraction level, dedicated management network, and site to site vpn across different physical locations.
- Designed and developed web services API's for managing repository.
 - Built web service API using Windows Communication Foundation.
 - Leveraged Windows Workflow technology to build document workflow system to protect data integrity.
 - System grew to over 200 GB with no performance problems.
- Created .Net internal tool for capturing images and loading into backend system.
 - Built .Net WinForms application to leverage high-end scanner to import images in high quantity and quick time constraints.
 - Used above mentioned API's to load and manipulate images and other repository data.
 - Integrated application with web forms application.

Computer Technology Services, Inc., Albany, NY

February 2008 to August 2008

Senior Consultant at Cengage Learning (Clifton Park, NY)

- Integrate commercial community server product with existing management system.
 - Used existing API's in community software to integrate an authentication/authorization module which leveraged existing system.
 - Modified existing code base to support our usage scenarios.
- Created online repository for trade reference material.
 - Architected system to store graphical book content for recovery.
 - Built web system for searching and displaying from the content itself.

Linium, LLC, Albany, NY

November, 2005 to February 2008

Business Intelligence, Senior Engineer

- Architected and developed mobile asset management product called Assets2Go.
 - Designed 3-tier object oriented database driven application to extend asset management process from PC to handheld devices
 - Developed and supported Windows Mobile C# enterprise application for 700 targeted devices world wide.
 - Integrated solution with leading asset management software from HP.
- Developed mobile Dockmaster application for delivery verification and tracking .
 - Designed and developed application that included components such as bar code reading, AAMVA license decoding, and photo capturing capabilities.
 - Integrated solution seamlessly with existing SQL Server/ASP solution already in place.
- Managed development of healthcare enterprise application used by over 20 hospitals in the NYC area.
 - Managed design, development, and release schedules of 24/7 application.
 - Performed triaging of bugs and enhancement for placement in product.
 - Developed new features based on J2EE application model.

My Hosting Solution, LLC, Albany, NY

June, 2005 to February, 2007

Owner and Architect

- Architected fully automated virtual server hosting solution based on Microsoft Virtual Server and FreeBSD.
 - Designed database solution to capture everything from signup process through performance and statistics collection.
 - Developed web front end for attracting new customers, customer server maintenance, and performance/statistics reporting.
 - Created scripts and software to fully automate server creation and routine maintenance.
- Advertised and marketed solution though the online community.
- Financial book keeping, ongoing development, support, and all other aspects of running a business such as this.

Microsoft Corporation, Redmond, Washington

June, 1999 to September, 2005

Web Platform & Tools Team, Software Design Engineer for System.Configuration

- Designed and implemented new features to enhance .NET Configuration System v2.0.
 - Designed how the feature should work and wrote a specification document outlining that behavior.
 - Drove a design review in which I worked with the PM and tester to hash out the final details.
 - Implemented the feature, and then did initial testing before handing off to the tester to do more extensive testing.
- Fixed stress and product bugs in the Managed Configuration System and ASP.Net.
 - Fixed product bugs including incorrect behavior, AV's, memory leaks, and resource leaks.
 - Investigated and debugged issues using Visual Studio, corDBG.exe, windbg.exe or ntsd.exe.
- Created prototype to show how IIS could run on top of the *System.Configuration* configuration system.
 - Worked with the IIS Architect to design and implement.
 - Rewrote the IIS ABO interface as an inproc COM interface in order to show how IIS config could be done in process.
 - Wrote .Net Configuration section handlers to represent the different IIS config settings.
 - Wrote logic to take the old metabase style paths and convert them to config path and map that along with the new ABO interface and the new section handlers.
 - This prototype was the proof of concept that was used in order to move forward on what is now going to be released in IIS 7.0 on Windows Vista.
- Developed new .Net API's to use the IIS config system.
 - Developed new System.ApplicationHost API's and new applicationhost.config file for the IIS settings.
 - Separated out the IIS config system from the ASP.Net config system removing the dependency of IIS on ASP.Net.
- Performed frequent code and security reviews to increase quality of product.
 - Frequently performed code and security reviews with other people in which we would code review all the code for newly implemented features.
 - Performed targeted code reviews for bugs that were being fixed.

Internet Information Server, Software Design Engineer for Metabase

- Designed and implemented a new configuration system for IIS.
 - Was primarily responsible for the redesign of the config system. This included coming up with the design requirements to create a revolutionarily improved config system, and then coming up with the design that would meet those requirements.
 - Talked with customers about the new design and got feedback to include in design.
 - Added extensibility to enable customer with unforeseen requirements. This included a pluggable backend store architecture, which allowed customers to store the data wherever they wanted. This enabled things such as central SQL config for a distributed design.
 - Supported distributed config model, so that config could live with content, and could be edited by content designer.
 - Drove the implementation of the project.
- Designed auditing and tracing support for the metabase in Windows 2003 Service Pack 1.
 - Worked with program manager on the project to come up with requirements, and to design how those features should work.
 - Did development for the features and worked with test to review design.
 - Did initial testing of features to confirm they provided everything outlined in requirements.
- Fixed stress and product bugs within IIS and Windows.
 - Used ntsd.exe and windbg.exe to do native code debugging.
 - Investigated bugs primary in my part of the product, but many times worked on debugging other areas of the product that I did not own and had no prior knowledge of.
 - Worked with other teams across Microsoft to investigate issues that they were seeing in our product, or issues that we were seeing that were in their product.

Internet Information Server, Software Design Engineer for Setup

- Designed and architected the software responsible for installing IIS 6.0.
 - Took over ownership of the old setup, by maintaining it and extending it as needed.
 - Create a new architecture for how features got implemented within setup. This architecture separated out the different components that were installed as part of IIS, and the actions that were necessary to install/uninstall those components. This made the whole process a lot cleaner, easier to debug, and easier to trace than previous version.
- Developed and release the IIS Lockdown Tool v2.0/v2.1.
 - Work with program manager to design a tool that would make a lot of IIS customers more secure.
 - Developed and released tool in extremely tight time constraints to meet the immediate needs of our customers.
 - Was downloaded by hundreds of thousands of people and shipped to all Windows Server users in the Microsoft Security Tool Kit CD.
- Actively participated in all stages of the IIS product lifecycle.
 - Worked on feature development, resolving bugs, shipping of the final product and continued support.
 - Rotated in an out of a point development position in which I was responsible for all the incoming stress issues throughout the product, investigating them, and in most cases finding the bug and fixing it.

Internet Information Server QFE Team, Software Design Engineer

- Investigated security threats to IIS.
 - Worked with The Microsoft Security Response Team to triage incoming reports of IIS vulnerabilities and determine appropriate action to take.
 - Did extensive work to repro vulnerabilities and determine extent of vulnerability.
- Designed and released security updates to the web and service packs.
 - Produced very minimalistic changes that would have no side affects to other customers.
- Resolved bugs for IIS4 and IIS5 which had already shipped.
 - Worked with the Critical Problem Resolution (CPR) team to investigate and fix bugs that customers had found and were blocked on.

Internet Information Server QFE Team, Software Design/Test Engineer

- Tested software fixes prior to their release for the Service Pack and the web.

- Developed imaging/ghosting tool.
- Designed and developed tool to meet needs to test team which needed to setup many different OS's/languages in a short amount of time
 - Was able to deploy an OS to a machine in about 10 minutes. This allowed someone to setup an OS, then test a fix on that OS, and then moved on to the next OS.
 - Radically improved our turn around time on testing.
- Created website for our team to improve processes.
 - Designed and wrote site that was used as tracking tool for all current issues in the team.
 - Made it very easy for anyone on the team to see what their current issues were.
 - Improved communication and awareness with CPR and MSR team by displaying time critical information.

Microsoft Corporation, Redmond, Washington

May, 1998 to Aug., 1998

Palm-size PC, Software Design/Test Engineer

- Developed automation software to test the Palm-size PC.
 - Wrote C++ code to manipulate applications running on the device and make sure that they were operating correctly.
- Created Windows tool to help analyze the Palm-size PC for development and testing.
 - Wrote client/server app to report and graph memory usage on Palm-size PC.
 - When used with other testing, dramatically improved detection of memory allocation bugs.

RECOGNITION

- Received the Microsoft Gold Star Award from the Vice President of Windows Server for recognition of the work accomplished on the IIS Lockdown Tool.
- Consistently received review scores of "exceeding position expectations" during employment at Microsoft Corporation.