**Charles C. Chen**

Quality, Passion, and Expertise in Software Design, Development, and Architecture

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 **PERSONAL STATEMENT**

In working with both startups and Fortune 100 customers, I have continuously strived to accumulate and apply my knowledge of the various facets of successful software construction – including effective team management, timely and open communication, agility, and pragmatism – towards delivery of high impact software.

My passion is the design, construction, and successful delivery of complex, cutting-edge software with a focus on quality, usability, technical supremacy, and exemplary craftsmanship.

I bring with me a love of technology and a strong capacity to consume and assimilate new ideas and technologies into elegant designs that leverage best-fit solutions to business and technical challenges.

I seek leadership opportunities to work with exceptional teams to deliver products and solutions with a drive for excellence and a disdain for the mediocre.

 **CORE COMPETENCIES**

While I am continually experimenting and learning new platforms and technologies, my core areas of technical competency are .NET applications (web, desktop, cloud), UI development (especially rich web applications), Office application development, leveraging SharePoint as an enterprise application platform, XMPP based real-time applications, and the design of modular, scalable, extensible, maintainable solutions.

 **EDUCATION**

**2003 – RUTGERS UNIVERSITY, NEW BRUNSWICK, NJ**

* BACHELOR of Science – Computer Science
* MINOR – Mathematics
* CERTIFICATE, Internet Technologies

**InnovoCommerce**

07.2011 – PRESENT / Director of Product Development

* Managed on-shore and off-shore development teams for development of Clinical Trial Management Office (CTMO) platform including Study Management and Investigator Portals built on the SharePoint platform
* Provided technical guidance and input during all phases of product development from conceptualization to requirements to coding to testing and delivery
* Designed and lead development of Study Management Portal product including underlying CTMO framework
* Implemented custom claims-based authorization system and integration with Active Directory Federation Services (AD FS)
* Supported sales efforts by designing, developing, and presenting multiple proof-of-concept prototypes including candidates for participation in [TransCelerate BioPharma](http://transceleratebiopharmainc.com/) platform evaluation
* Researched, designed, and prototyped next generation, massively scalable, multi-tenant system architecture built on Amazon EC2 and Amazon AWS running CassandraDB
* Provided critical feedback to business leadership team for improvement of the product and processes
* Executed code reviews and responsible for quality of code deliverables
* Instituted and documented development standards, practices, and processes
* Evaluated resource candidates and performed technical interviews

Thinktastic

01.2011 – PRESENT / Founder

* Conceptualized, designed, and developed suite of products for real-time, enterprise collaboration on SharePoint: [ChatPoint](http://www.thinktastic.com/products/chatpoint/), [TeamPoint](http://www.thinktastic.com/products/teampoint/), [TeamPoint Dashboards](http://www.thinktastic.com/products/teampoint-dashboards/), and [DropPoint](http://www.thinktastic.com/products/dropoint/)
* Coded client and server component implementations of the XMPP protocol for real-time, web-based, browser-server communications
* Leveraged Windows Azure cloud platform for distributed data synchronization through cloud-based service bus
* Handled customer communications, marketing, and designed and implemented company website

Paragon Solutions

10.2009 – 01.2011 / Senior Consultant

Customer: Abbott Labs

* Lead design of a validated, Intranet/Internet Clinical Investigator Portal for Abbott Labs built on Microsoft SharePoint
* Worked with business stakeholders and end-users to define requirements
* Developed and presented proof of concepts and prototypes for business and technology stakeholder evaluation

Customer: Citibank

* Developed custom project review and management solution built on SharePoint

Customer: Merck

 **LANGUAGES AND TECH**

* .NET (ADO.NET, ASP.NET, WCF, WF, etc.)
* C#
* ClickOnce
* DHTML (XHTML, DOM, CSS, JavaScript)
* HTTP
* OpenXML
* Python
* SQL
* Visual Basic.NET
* Visual Studio Tools for Office (VSTO)
* Windows Installer XML (WIX)
* Windows Forms
* Windows Communication Foundation
* Windows Workflow Foundation
* XML, XPath, XSLT, XML Schemas
* XMPP

 **SOFTWARE AND PLATFORMS**

* Amazon Elastic Compute (EC2)
* Adobe Photoshop
* Apache Web Server
* Microsoft Enterprise Library
* ETL (SQL Server DTS, SSIS)
* IIS
* MbUnit, NUnit, MSTest
* Microsoft Office / SharePoint Server 2007, 2010, 2013
* Microsoft SQL Server
* Office Add-In Development
* PostgreSQL
* Redmine
* Subversion, Mercurial
* Trac
* Visual Studio
* Windows Azure

 **EVENTS**

* PRESENTER, [philly.NET Code Camp 2010.2](http://charliedigital.com/2010/10/10/philly-net-code-camp-follow-up/)
* Designed and developed metadata driven protocol initiation module enabling dynamic generation of protocol documents using OpenXML, Word templates, user provided metadata, and a rules engine capable of consuming rich, external rules
* Designed and developed standard text module and WPF based VSTO plugin for Word desktop clients for managing common content assets

Sales Support

* Provided sales support on multiple accounts including Merck, GSK, sanofi-aventis, Cephalon, and Bank of America

CSC ← First Consulting Group ← Zorch Software

03.2006 – 10.2009 / Lead Product Developer, Senior Professional

Customer: UpToDate

* As a Senior Consultant, provided technical leadership, guidance, and mentoring for Associate and Staff consultants on project site
* Helped bring project schedule back on track by solving many show-stopping technical hurdles and design issues in Office client programming
* Designed and implemented web-based UI for opening and editing OpenXML packages
* Designed and implemented multi-threaded tool for exporting and importing content from one environment to another
* Guided architectural and development best practices including code reviews, unit testing, and refactoring of critical code

Product Development: FirstPoint

* Technical lead for Office and SharePoint development for [FirstPoint](http://www.csc.com/health_services/ds/11298/12929-firstpoint), a controlled document management solution for regulated industries built around the Microsoft Office solutions stack (Word, Excel, Project, SharePoint)
* Designed and developed web, desktop, and sever (Windows Service) components of FirstPoint including a custom Windows Workflow runtime, Office plugins, SharePoint web parts and components, and core WCF web services
* Instituted and documented development standards and practices for coding, error handling, data access patterns, unit testing, and logging
* Deployed and managed software collaboration environment including Apache, Trac, and Subversion
* Authored product specification and architectural documents for evaluation during company acquisition

International Network Services ← Immedient

01.2005 – 03.2006 / Senior Consultant

* Designed and developed multiple systems and solutions for Microsoft Project, Project Server, SQL Server Reporting Services, and ETL using Microsoft SQL Server DTS for Pfizer, Northrop Grumman, Telcordia, and Angelo, Gordon & Co.
* *Additional details upon request.*

Butler International

10.2004 – 12.2004 / Consultant

* Designed and developed web based HR management and reporting components and ETL packages using Microsoft SQL Server for Merrill Lynch
* *Additional details upon request.*

Tekmark Global Solutions

 **ON MY BOOKSHELF…**

* Code Complete
* Pragmatic Unit Testing
* The Pragmatic Programmer
* The Mythical Man Month
* Framework Design Guidelines
* Patterns of Enterprise Application Architecture
* Design Patterns
* I.M. Wright’s Hard Code

 **HOBBIES AND INTERESTS**

* Coding
* Current Events
* Weightlifting
* Photography
* Wiki-surfing
* Gardening, Horticulture
* Blogging

07.2004 – 10.2004 / Consultant

* Developed web application components for Factiva’s core product suite
* *Additional details upon request.*

MediaWhiz

06.2004 – 07.2004 / Consultant

* Designed and developed web application for managing advertising campaigns and provided optimizations and fixes for poor performance in existing SQL assets
* *Additional details upon request.*

Velankani Information Systems

06.2003 – 05.2004 / Consultant

* Implemented and evaluated prototypes for Intranet portal using various commercial off the shelf content management platforms
* Lead developer for database upsizing (Access to SQL Server) and platform conversion effort (ASP to ASP.NET) for various intranet applications
* Designed and authored basic single-sign-on solution using HTTP redirects
* *Additional details upon request.*