

Brett M. Burkhart
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Online Resume & Portfolio
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Career Summary

Brett is a senior-level software technology professional with 18 years of experience in full life-cycle implementation of n-tiered desktop and web-based applications, as well as the creative development of rich, high-fidelity designs and solutions which create lasting brand and business impacts.

Software Technologies

Windows Presentation Foundation (WPF), XAML, C#, .NET 1.0 – 4.0, MVVM, Unity, Spring.NET, Reactive Extensions, TIBCO SmartSockets, Moq, NUnit, XML, ASP.NET, ASP.NET Web Services, XSLT, SQL, XHTML 1.0, CSS2, LDAP, JavaScript, VBScript, Visual Basic 6.0, SHTML, WDDX, ColdFusion, ADO.NET, SQL Server, IIS, Windows Active Directory, Windows 7/Vista/XP, Windows Server 2003

Development Tools

Visual Studio, Expression Blend, Photoshop, Illustrator, Perforce, Subversion, MS Localization Toolkit, XMLSPY, Visual SourceSafe, Site Server Commerce, MS Content Management Server

Work Experience

Founder

Burkhart Design & Development, Inc.

February 2009 - present

Wilmington, NC

- Provide a full suite of strategic creative services to companies with products in the financial, consumer, and enterprise industries to define and realize new products, services, and experiences in the web and desktop environments.
- Inspire and motivate companies with rich, high-fidelity designs and then deliver cutting-edge and innovative software and services through emerging technologies and design expertise towards the user experience.

Liquidnet Holdings, Inc. (NYC) – 5x & CTP (Componentized Trading Platform)

- Senior member of a small team responsible for reinventing the company's core trading application used by institutional investors to negotiate directly or use algorithms to access liquidity and anonymously trade thousands to millions of shares in single trades in Liquidnet.
- Responsible for the visual design and implementation of CTP in C#/WPF/XAML/.NET 4.0/MVVM/Unity which provided a modular-based application platform to rapidly deliver new features and product updates without the need for local installs at member locations.
- Developed the current Beta-phase trading application, on top of CTP, to provide real-time trading functionality from order creation and management, to negotiation, to execution and post-trade analytics.
- Responsible for all visual aspects of the application from XAML visual styles, control templates, custom controls, UX design, as well as providing solutions for localization and validation.

Liquidnet Holdings, Inc. (NYC) – HUD (Heads-Up Display)

- Designed and built a WPF application for the algorithmic trading industry. HUD is used by Liquidnet's trading desk to monitor real-time order flow and executions within the ATS, provide fulfillment statistics to measure the trader's performance, and provide real-time strategy analytics to the quantitative analysts and traders to monitor algo performance.
- Developed in C#/WPF/XAML/.NET 3.5/MVVM/Spring.NET. Responsible for the graphic design, visual layout, and user experience, as well as software development, from prototyping to full scale implementation and deployment.

Liquidnet Holdings, Inc. (NYC) – Liquidnet Select

- Designed the visuals for the company's first web-based Commission Management System.
- Designs were prototyped in HTML/CSS/JS before handoff to the development team for final implementation.

Needles, Inc. (Baltimore, MD) – Needles Case Management

- Worked with Needles to redesign and reinvent the company's Legal Case Management application built in PowerBuilder. Helped envision and visualize their future through product ideation, UI design, information architecture, prototyping, and application implementation.
- Developed the core application infrastructure C#/WPF/XAML/.NET 4.0/MVVM/Unity before handing off product implementation to their in-house development team.
- Developed all the XAML visual styles, control templates, custom controls, and visual assets.
- Worked in a mentoring role with the developers to provide knowledge transfer of C#, .NET, WPF and XAML.

FileONE, Inc. (Cary, NC) – SystemWorks™

- Developed a set of ASP.NET AJAX-based screens to facilitate a Uniform Commercial Code (UCC) Lien Search by the general public or users within a Secretary of State office.
- Worked directly with the client to understand their business model and goals and then developed the layout and desired work flows for all the Lien Search pages.
- Utilized the Telerik RadControls for ASP.NET AJAX to provide an elegant and desktop-like UX.
- Developed C# business layer logic according to UCC rules and regulations.

Senior UI Design Engineer Open Finance Network

**March 2008 – November 2008
Charlotte, NC**

- Responsible for leading the UI/UX design and development for the company's primary software platform built using .NET 3.5 and Windows Presentation Foundation (WPF).
- Functioned as a Technical Architect, Design Analyst, Senior Developer, and provided visual design and interaction direction, and worked in a mentoring role with the design and development teams to provide knowledge transfer of WPF and XAML.

AGILE – The Advisor Control Center

- Defined the WPF-based application architecture, provided coding standards, demonstrated best practices and approaches to WPF implementation.
- Worked with the product managers to gather requirements and created working prototypes and proof-of-concepts for screens to provide technical direction to the development team.
- Developed all the XAML visual styles, control templates, custom controls, and visual assets to provide a world-class user experience.
- Created a WPF-based documentation SDK for developers to reference when needing information about the library of control styles, custom controls, color and font resources, and working examples.

Software Consultant Cynergy Systems, Inc.

**October 2007 – March 2008
Washington, DC**

- Worked with clients to develop new products, services, and experiences in the web and desktop environment using the latest technologies including .NET 3.0 and Windows Presentation Foundation.

Microsoft Corporation – Connected Services Framework

- Developed a WPF prototype to test out Microsoft's Connected Services Framework and demonstrate how it could be implemented as a kiosk application.

Klein Decisions, LLC – K⁴ PlanGoals

- Designed and developed an ASP.NET 2.0 financial administration application to facilitate the management of a hierarchical list of investment firm's asset classes and their allocations, portfolios, funds, plans, and participant investments.

Senior Developer, Digital Media Technology
frog design inc.

March 2005 – August 2007
Austin, TX / Paris, France

- Provided senior-level strategic-creative consulting to Fortune 500 companies to help clients develop new products, services, and experiences in the web and desktop environment using the latest technologies including ASP.NET 2.0, .NET 3.0 and Windows Presentation Foundation (WPF).

Hewlett-Packard Company – Total Care Advisor

- Lead a team to do full UI implementation in XAML/C# using .NET 3.0/WPF for a HP support & system health application installed on every HP desktop and laptop running Windows Vista.

Hewlett-Packard Company – SmartCenter

- Developed a high visual fidelity prototype using .NET 3.0/WPF to provide the HP development team with the overall architecture and UI classes for the production Vista XBAP application.

Hewlett-Packard Company – Consumer UI Toolkit

- Designed and developed a WPF design library development kit, to be used by HP developers, to include all HP branded WPF assets into HP's future WPF suite of products.

Spare Backup, Inc. & Hewlett-Packard Company – Spare Backup

- Migrated the company's existing Spare Backup WinForms application to an HP branded WPF application, in roughly 4 weeks, using .NET 3.0/WPF.

frog Client Resource Manager

- Architect and built a C# API that exposed business objects which were persisted between two Active Directories. These objects used LDAP and functionality in the .NET Directory Services namespace to populate their properties along with creating and joining security groups used for restricted network file access and Microsoft SharePoint integration.

Advanced Micro Devices, Inc.

- Built several global web sites for AMD in ASP.NET 1.1, using the Microsoft Localization Toolkit for the localization of content into multi languages.

Lead Software Engineer
Builder Homesite, Inc.

March 2004 – March 2005
Austin, TX

- Responsible for leading a team of four on-site developers, and a team of six offshore developers, to design and implement Envision™, a suite of .NET applications for the building industry.
- Lead developer tasks included managing a small team of senior developers, communicating and working with a team of offshore developers, documentation of functional and technical designs, VSS management, tracking development progress, management of the issue tracking system, and other administrative duties.

.NET Solutions Contractor
CyberTrader.com

August 2003 – February 2004
Austin, TX

- Worked as an on-site contractor providing senior-level development services using ASP.NET, C#, .NET Web Services, XML, XSLT, JavaScript, and SQL Server 2000.
- Developed around a full life-cycle process from the initial requirements gathering, design and development, to testing and publishing to production servers.

Web Applications Developer
Access CoverageCorp, Inc.

May 2002 – August 2003
Charlotte, NC

- Developed web-based applications using ASP.NET 1.0-1.1, C#, .NET Web Services, XML, XSLT, JavaScript, Visual Basic COM+ objects, and SQL Server 2000.

Senior Developer/Consultant
Self-employed contractor

October 2001 – May 2002
Charlotte, NC

- Developed sites in ASP.NET using C#, XSLT, ASP, and JavaScript, data driven by XML and/or a SQL Server 7.0/2000 database.
- Responsible for the full life-cycle process from the initial requirements and contractual documentation, design and development, to testing and publishing to production servers.

Senior Consultant
Osprey Systems, Inc.

April 1999 - October 2001
Charlotte, NC

- Developed a variety of custom-built, multi-tiered applications using ASP, VBScript, JavaScript, ColdFusion, COM, DCOM, Site Server Commerce, and Pandesic, integrated into a SAP R/3 or SQL 7.0/2000 database.
- Took on a senior and lead developer position with frequent domestic and international travel to consult clients and develop on-site.

Systems Consultant
Computer Management Science, Inc.

August 1998 – April 1999
Charlotte, NC

- Worked as an on-site contractor providing junior-level development services using ASP, Cold Fusion, and SQL Server 6.5.

Computer Graphics Technologist
Barnhardt & Walker, Inc.

October 1996 – August 1998
Concord, NC

- Conducted creative duties for the design, development, and production of web sites, brochures, artwork, logos, photography and related graphic materials.
- Responsible for the full life-cycle process of client's web sites. Sites were designed in Photoshop and FreeHand, developed in ColdFusion and/or static HTML.

Education & Certifications

Purdue University, West Lafayette, IN
Bachelor of Science, Computer Graphics Technology, 1996

Microsoft Certified Professional

Developing and Implementing Web Applications with Microsoft
Visual C# .NET and Microsoft Visual Studio .NET

exam *completed*
70-315 7/22/2005