Brian M. Lehmann

Software Developer

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My passion is finding elegant solutions that use software to solve real, felt needs and I've had privilege of helping organizations and clients do just that for close to twenty years. For me, software isn't just code in an editor - it's an art of sorts with each solution unique in its own special way. That's what makes each project so unique and what makes this craft so exciting!

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Skills

Core Programming Languages:

C#, Visual Basic, Java, Swift

Script and Markup Languages:

HTML, CSS, XAML, JavaScript, Typescript, T-SQL, XML, XSLT, Regular Expressions

Internet Technologies:

ASP.NET (MVC, Web API and WebForms), PHP

Database Technologies:

MS SQL Server, MySQL, SSRS, SSIS, Crystal Reports, Microsoft Access

Development Environments:

Visual Studio, Visual Studio Code, SQL Management Studio, Android Studio, XCode

Development Frameworks:

.NET (Full and Core), Xamarin, MVVM Cross, Caliburn, Aurelia, React, jQuery, Knockout.js

Content Platforms:

WordPress, Microsoft CRM, Microsoft SharePoint, Sitefinity and some Drupal

The Vincit Group / Software Architect

August, 2019 - Present Chattanooga, TN

→ Revitalized and restructured role with the same team focused on future thinking, mentoring, and deep architectural and design guidance for the growing role of Vincit's internal software development team.

The Vincit Group / Software Development Manager and Lead Architect

April, 2018 - August, 2019 Chattanooga, TN

→ Continuing my work with the internal Software Development team while taking on the responsibility of leading a five person development team.

→ Responsible for the overall architecture used by the Vincit development team with a view toward aligning technologies used across projects. Also responsible for researching and planning future design decisions to bring cohesion to all internally developed projects.

The Vincit Group / Senior Software Developer

August 2015 - April 2018, Chattanooga, TN

→ Worked as the lead and primary full stack developer on an internal web-based Sales Portal to support our Sales Staff in reviewing, filtering and comparing their Sales performance via a variety of user defined parameters.

 ◆ Implemented a normalized Data Mart in MS SQL Server to store the information used by application. This required modeling the business processes of the ERP system and providing data structures to store the information so as not to add load the production ERP system

 ◆ Built a Stored Procedure and T-SQL based ETL process that ran nightly to extract, normalize and load data from the existing ERP system into the Data Mart structures

 ◆ Developed a REST based API layer using C# and .NET Core WebAPI to provide data access to the front-end application. This was purposefully architected to separate data access and business logic from the application implementation. This would allow other delivery platforms such as a mobile app or rich client to consume the data if the need ever arose to migrate away from a web application

 ◆ Implemented a Token based authentication layer that integrates with our internal Active Directory system using C# and .NET Core WebAPI. This system allowed for users to be configured against many different apps (not just the Sales Portal) with discrete roles and authorization controls for each app while still authenticating against the organization's AD users

 ◆ Designed, Coded, Tested and Deployed a TypeScript based responsive SPA web application using the Aurelia front end framework, Bootstrap and Telerik's Kendo UI widget library

 ◆ Responsible for working with a third-party security firm to facilitate penetration testing of the application in preparation for making the app available publicly. App passed with only minor recommendations,

all of which were remediated within a day and retested to a resolved status

→ Worked as part of the team migrating between ERP systems (Sage MAS 500 to Sage X3). As part of this team, worked on Implementation and Integration tasks including re-architecting the ETL process for the Sales Portal to utilized automated extracts from the ERP system and SSIS packages for the ETL workflow

→ As a senior engineer, acted in a mentoring role for other members of team in the areas of architecture and system design with an emphasis on a loosely coupled architecture that relies heavily on Inversion of Control and Dependency Injection for connecting various tiers together

CBMC, Inc. / Software Architect

March 2006 - May 2018, Chattanooga, TN

→ Worked heavily in architecting and implementing the REST based API to support a large Learning Management System. Was responsible for designing, architecting, documenting and implementing the SOA layer that allows Microsoft CRM to be the core data repository while exposing and consuming data from the third party LMS system

→ Implemented SAML based Single Sign On (SSO) across all CBMC properties as well as the third party LMS system complete with an assertion based role system utilizing Microsoft CRM as the credential store

→ Implemented a Windows 8.1 application to support offline access to the CBMC LMS

→ Responsible for the implementation and customization of Microsoft CRM (ver. 4-2013). Also, responsible for exposing CRM based content to other applications and pushing data back into CRM

→ Implemented and heavily customized a CMS system based on a single database and codebase to support the ability to efficiently provision new local area staff websites and allow content to be locally managed

→ Implemented an ASP.NET based extranet with an SQL Server backend that relies heavily on Crystal Reports for content presentation. Also, implemented a data tier largely based on T-SQL stored procedures

→ Architected and coded an extensive business layer for vertically integrating many back-office functions to allow for re-use for common functionality such as donations, event registrations and e-commerce

BlueCross BlueShield of TN / Manager, Provider Data Management

December 2005 - March 2006, Chattanooga, TN

→ Responsible for the activities of an 11-person team whose responsibilities cover a wide variety business needs in the contracting, provider data storage, and corporate reporting areas covering a broad range of internal and external customers. Also, responsible for the mentoring and architectural oversight of departmental application development in Microsoft Access, SQL Server, Windows Forms and ASP.NET

BlueCross BlueShield of TN / System Project Consultant

July 1998 - December 2005, Chattanooga, TN

➜ Responsible for the development of several web based applications using ASP.NET and ADO.NET to support tasks including automated form workflow, training, automated provider letter queuing, printing and tracking and automated provider contract retrieval based on business criteria
➜ Responsible for the creation of data reporting functionality using ASP.NET and ADO.NET to make automated data extracts available using a web browser as a thin client. This functionality included dynamic mapping and distance search engine based on a SQL Server backend. This solution provided a user-friendly solution across the enterprise for features previously limited to specific employees with expensive per seat licenses
➜ Took the initiative in designing, coding and deploying a desktop query engine for Provider Information using Visual Basic 6, ADO, and SQL Server. This application served the needs of several departments and became an invaluable tool for its user base of 125+ employees. This tool became a part of the fabric of the division

Special Projects

Terminal Velocity Labs / Founder

November 2011- Present, Graysville, GA

➜ Act as architect and primary developer for the web and software development and consulting activities of Terminal Velocity Labs
➜ Developed and released the mobile app Digital Night Stand, currently released on Windows and Android

Education

Tennessee Temple University / Bachelor of Science

1998, Chattanooga TN

Major: History
Minor: Political Science

Graduated Valedictorian

Community

Catoosa County Schools School
Local School Governance Team / Vice Chairman

Covenant Presbyterian Church
Diaconate / Chairman (Previously)