

## Brian C Ross

### Career Highlights

- Designed, built and implemented a corporate fingerprinting business system. Developed the corporate website and admin portal, the fingerprinting application, a fingerprint card scanning application, the background processing services and web services as well as the interfaces to the accounting systems. The system is currently certified to interact securely with Ohio BCI, the FBI and the state of Florida BCI.
- Designed, developed and implemented an inventory tracking system for a division of a Fortune 500 company that reduced inventory by 50%. Inventory accuracy was doubled and the number of material outages was reduced by 90%.
- Technical lead on a capital tracking software project for a Fortune 500 company. The software solution reduced the number of purchasing systems in the organization from 9 to 4 and reduced the turnaround for purchase order approval from 5 days to ½ day.
- Lead developer for an organization-wide re-engineering project using Sage CRM – reduced customer service training from 2 weeks to 2 days. Reduced IT support calls by 80%.
- Upgraded an HTML only website for a non-profit financial organization to enable it to interact with the internal corporate database. Reduced turnaround time for financial applications from 2 months to less than 2 weeks.
- Lead developer for a multi-tier order processing and customer service application for an internet store. The solution improved average order turnaround from 4 ½ days to 16 hours.
- Co-developed a warehousing system that reduced outages, increased efficiency and reduced the number of workers by 30% per shift.
- Migrated a VAX-based “green screen” enterprise-wide application to a web-based environment consisting of desktops for the office staff and laptops for case workers. The project won an industry award for innovation.

### Technical Skills

#### Software Development Tools & Technologies

- ASP.NET
- C#.NET, VB.NET
- MVC4, 5
- JSON
- Angular2 (6,7)
- Typescript 3
- Node v10, npm
- LINQ
- Karma
- Restful API
- Git, Subversion & VSS source control tools
- Website design / development
- Web services
- Javascript
- Redux
- JQuery
- Ajax
- SQL, T-SQL
- Visual Studio 2005,2010,2013, 2015, 2017
- NSB AppStudio (IOS & Android Operating System – phone app development )
- Xamarin – learning mobile development
- HTML, HTML5
- X-Code 4,5,6 (Apple platform development tools)
- iPhone app development - IOS 5.0 – IOS 8.0
- SQLserver 6.5, 7, 2000, 2005, 2008, 2012
- TortoiseSVN – explorer plugin for Subversion
- SQLite
- Microsoft Office (Word, Excel, Powerpoint, Access)
- Open Office
- Sage CRM & DotNetNuke
- XML & XSL
- COM, DCOM
- SQL Azure cloud technologies

#### Other Software, Skills & Duties

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- Powerbuilder 3, 4, 5
- Visual Basic 4.0, 5.0, 6.0
- Microsoft Publisher
- Biztalk
- GUI Interface Design
- Microsoft Active Directory
- SQL Server Management Studio
- DB-Artisan, S-Designor & System Architect
- UNIFACE
- PVCS
- Oracle 7 & 8, Sybase
- Cognos Powerhouse – Quick, Quiz, QTP
- Basic networking and troubleshooting

## Experience

### Training

April 2019 – present

- Hard core training to update my skill set. I am currently enrolled taking courses in Angular development, Full stack development using Angular, Typescript, C#, Entity Framework and ASP.NET.Core to build enterprise applications.
- **Tools Used:** ASP.NET Core, C#.NET, Angular 6,7, Typescript 3, Node 10, Node package manager, Entity Framework Core, Javascript, VS Code, SQL Server, Git

### Senior Developer

Aug 2015 – present

*Fast Fingerprints - Columbus, Ohio*

- Responsible for the maintenance of the current software systems and the development of new features as required by end users and governing agencies. Javascript events were used in an ASP.NET environment to conditionally populate various sections of the website based on user choices and preferences.
- Translated software platform from VB to C#.
- **Tools Used:** ASP.NET, C#.NET, VB.NET, Git, Javascript, Visual Studio 2010,2013,2015,2017, Bomgar, SQL Server

### Senior Developer

Apr 2012 - May 2016

*Safehouse Inc - Dublin, Ohio*

- Designed and developed web based interface used by the customers of the Safehouse service. This product allows parents to configure and monitor all aspects of their children's digital activities, including web browsing activities and cell phone usage – phone, text, MMS and location services. C#.NET was used along with JQuery and Javascript to build the interface and drive the user experience on the site.
- Designed and constructed the web services used by mobile devices to record activity as well as return summarized activity and exceptions for the parent. The services were built in C#.NET. Data was returned from the web services using JSON objects.
- Designed and developed an IOS mobile app for parents to monitor their children's electronic activities.
- Designed and developed the IOS app installed on a child's phone. This app primarily tracked location and reported exceptions based on boundary parameters set by the parent and reported event information back to the cloud for analysis and parental notification if necessary.
- **Tools used:** ASP.NET, C#.NET, MVC4, Entity Framework 4,5,6, SQL Azure cloud services, Subversion, Assembla, JQuery, HTML, HTML5, Javascript, Visual Studio 2010, 2013, LINQ, Objective C & X-Code 4,5,6 ,IOS 5-8

### Senior Developer

Apr 2012 - May 2016

*IntelligentID - Dublin, Ohio*

- Maintain and enhance the front end interface of the IntelligentID product. This is a security product that allows system administrators to define parameters allowed for the use of company assets, both hardware and software as well as digital assets (source code etc). The tool is proactive in its monitoring – catching, documenting, reporting and alerting on violations while they are occurring instead of reporting after the fact (like Symantec and others)
- Designed and developed a mobile app for the iPhone to provide reporting and alerting services for system administrators of the IID tool. The app was written in Objective C using the X-Code development environment, and called secure web services to obtain its data.
- **Tools used:** ASP.NET, C#.NET, Silverlight, Entity Framework 4-5, Subversion, Assembla, X-Code 4-6, Objective C, IOS 5-8, Visual Studio 2010, LINQ.

### System Architect

Jan 2006 – Mar 2012

*Hondros College - Westerville, Ohio*

- Designed, built and maintained all the NBCI fingerprinting software. This division of Hondros processes livescan fingerprints and submits these electronically via email or FTP to governing agencies for the purpose of performing background checks on employees. The environment is comprised of a website, web services, workstations and portable fingerprinting laptops. Javascript events were used in an ASP.NET environment to conditionally populate various sections of the website based on user choices and preferences.
- The software solution is licensed for sale in Ohio, Florida and for direct FBI communication.
- Designed and constructed an interface between the payment and invoice data in SQL server and NBCI's financial management system in Quickbooks. This process loads data into Quickbooks so the revenue can be recognized and invoices can be printed.
- Responsible for the design, development and support of back office systems that supported the daily operation of the college and its divisions. This solution used Sage CRM software.
- Designed and constructed an interface between Sage CRM and ACCPAC, the accounting software used by the business.
- **Tools used:** ASP.NET, VB.NET, SQL Server 6.5,/2000/2005, Sage CRM, XML, Visual Sourcesafe, Subversion, ASP, Cold Fusion, Jscript, HTML, Javascript, Biztalk, DotnetNuke.

**Consultant****Aug 2004 – Dec 2005***Careworks - Columbus, Ohio*

- Worked as a developer on a new commercial product for a banking institution. This web application enables corporate business customers to perform all banking tasks directly on line.
- Designed, constructed and implemented a time entry system for use by the department managers at a non-profit organization. This application facilitated quick entry of time sheet information and used the Active Directory structure to route time sheets to the appropriate managers for approval.
- Designed, constructed and implemented a web site to facilitate the searching of minority vendor information based on various criteria. The application used the Active Directory structure to limit access to the application to authorized personnel.
- **Tools Used:** ASP.NET, VB.NET, SQL Server 2000, Visual Sourcesafe, S-Designor, XML, J-Script

**Senior Technical Specialist****Oct 1995 – Aug 2004***Compuware - Columbus, Ohio*

- Designed software infrastructures for large-scale client/server projects. This included designing, developing and documenting application frameworks and training developers in their use, setting up source code version control, developing and implementing release deployment procedures and creating and enforcing coding standards.
- Supervised and mentored developers in the design and construction of software applications and the use of client/server and web based technologies.
- Investigated, researched and analyzed trends in the IT industry to determine their influence and impact on the projects we did for our clients.
- Designed and implemented single, multi-tier and web-based applications development environments for client/server shops.
- Taught classes to internal consultants and customers. Classes taught included Introduction to Visual Basic, Introduction to Powerbuilder, Intermediate Powerbuilder, Introduction to Object Oriented Design, Usability and GUI design concepts.
- Performed design and development tasks for application databases used in the various projects I worked on. This included database structure configuration, table design and establishment of procedures for creating stable development environments for programmers.
- **Tools Used:** ASP.NET, VB.NET, SQL Server 6.5/2000, Visual Sourcesafe, ASP, Jscript, HTML, Javascript, Powerbuilder, TUXEDO, Visual Basic, Sybase, DB Artisan, System Architect, PVCS, XML, XSL, Oracle

<b>Consultant,</b>	ICCS - Columbus, Ohio	<b>Oct 1989 - Oct 1995</b>
<b>Programmer,</b>	Franklin International - Columbus, Ohio	<b>Aug 1987 – Oct 1989</b>
<b>Programmer,</b>	Borden - Columbus, Ohio	<b>Jun 1983 – Aug 1987</b>

**Education**

Miami University, Oxford Ohio.  
 Graduated in May 1983 with a B.S in Business and a minor in production operations management.

**Interests**

I am currently taking various online courses to upgrade my skill sets. These include Angular 4: Beginner to Pro, Building enterprise applications with ASP.NET Core and Angular, Entity Framework 6 and Advanced C#.

I am an avid sailor and enjoy photography. I have served for 15 years in various official positions as the commodore (president), secretary and webmaster for the Alum Creek Sailing Association ([www.alumcreeksailing.com](http://www.alumcreeksailing.com)).

I develop web sites for small companies, self employed individuals and non profit organizations and provide them with web hosting services.

I am building a mobile app for sailors to help with navigation tasks using a tool called NSB AppStudio, which produces an HTML5 app using Javascript for its procedural code.

I enjoy volunteering at our church where I help build sets for the various drama productions our church undertakes.