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OBJECTIVES

To continue to develop my skill set as its applied to the creation and enhancement of computer information systems, database and data conversion interfaces, process control, User Interface paradigms, Web Services, and data reporting

Proficiencies	Level	Usage Period	Experience
C#	Expert	Currently used	10+ years
Visual Basic	Expert	Currently used	10+ years
SQL Server 6.5,7,2000,2005,2008,2010,2012,2017,2019, Azure SQL	Intermediate	Currently used	13+ years
Word, Access, Excel, PowerPoint	Intermediate	Currently used	15+ years
C++, Java	Intermediate	Currently used	7 years
Forth	Intermediate	8 years ago	3 years
Python, Perl, Other CGI	Intermediate	6 years ago	6 years
ASP and ASP.NET, Active X (WEB use)	Intermediate	Currently used	9 years
Angular and AngularJS	Intermediate	Currently used	5+ years
Razor and Blazor	Intermediate	Currently used	2+ years
Windows NT/2000/XP/Vista/ 2003 Server Administration	Intermediate	Currently used	15+ years
OpenGL	Intermediate	4 Years ago	3 years
Linux Server Administration	Intermediate	Currently used	10 years
Network Technician/ Maintainer/ Troubleshooter	Intermediate	Currently used	10 years
Silverlight	Expert	2 years ago	4+ years
TypeScript	Expert	Currently used	4+ Years
SOA (Restful, Soap, etc)	Intermediate	Currently used	5+ years
Continuous Integration and Continuous deployment Tools. (Bamboo, MsBuild, Mable and some HomeGrown scripting)	Intermediate	Currently used	4+ years
Agile Methodologies	Intermediate	Currently used	4+ years
Certified Scrum Master	Intermediate	Currently used	4+ years

PROFESSIONAL EXPERIENCE

4/2002 - Present

Tidgewell Associates / Anthem Inc. Smithfield, Rhode Island

Chief Technology Officer/DIR Lvl 1/Domain Architect Exec

Continued involvement with behavioral health information systems development and management of small development team based in Smithfield, Rhode Island and ultimately in Maryland, and Pennsylvania, New Jersey, and Florida. Acquired by Anthem Inc. (Sept 2015), where we became a part of a much larger set of teams. At Anthem we continued to support and augment our existing clients products developed and delivered over the years, as well as engaged other teams within anthem to bring our experience with getting various silo'd information systems to communicate with one another. Building for Anthem their first collection of Member facing aspects of their internal case management tools.

- Development and leveraging of Package application technologies like Electron, to allow deployment of WEB applications to cross platform desktop environments in a controlled and atomic manner.
- Development of new Code generation tools to assist in migration of projects to new BLAZOR Pages, generates UI as well as shared code components and the REST endpoints for connecting the database backend to User interface.
<https://github.com/Harlock123/BlazorCodeTools>
- Implemented AZURE based Cares Platform, converting its former Client/Server architecture (Started being developed for the client over a decade ago, and in maintenance mode for the last few years). The new form of the platform is totally cloud based, with database, document storage, authentication, as well as new deployments all directed out of the Azure cloud. Went live in December of 2019 after a frenetic 3 month re-architecture process. Client is now entering Phase 2 of its further development as they want to expand its use within their operations.
- Second implementation of Cares Platform, converting its former Client/Server architecture with some additions required by the new client. These were implemented in a modular manner, to allow them to be plugged into and unplugged from the root product, allowing for differentiation without forking the code.
- Development of tooling and configuration to Automatically build and deploy large multifaceted business integration portal taking code from App Sec scanning through test matrix execution through compilation with various configuration environment targets through to deployment into those targets using various CI/CD tooling. Currently employs the complete suite of Atlassian tools IE XLDeploy-Business AI/Bamboo, BitBucket, Jira, Confluence, tied in with Veracode/Checkmarks/Qualys Application security scanning and custom glue code written in a handful of scripting technologies based on the execution environment. POWERSHELL on windows environments, Python/Bash scripting on Linux/MAC environments.
- Development of LCTDataGrid, a typescript/JavaScript User Interface data grid component that among other features does not force a UI paradigm of PAGE X of Y on the user, a specific ask for our client at the time. <https://github.com/Harlock123/LCTDataGrid>
- Development of FormGenBS, a typescript/JavaScript User interface hydrator that takes a simple data defined collection of configuration data and creates the user interface in the browser out of thin air... to collect the answers to the presented questions and send them back to a server for persistence and other workflow triggers. Included data driven branching logic to show and hide / require or not require aspects of the interface based on answers to other aspects of the interface. This branching logic can also be employed to generate a score for triggering workflow decisions. (Ideal for the myriad of user forms needed in a typical care management system, which is why I developed it but could be used pretty much anywhere) https://github.com/Harlock123/FormGen_Bootstrap
- Development of Xamarin Based Native Mobile Application for HealthIntech bringing encounter submission and aspects of the members clinical record to the palm of the care managers hand. <https://github.com/Harlock123/CFCSMobile>
- Development of TSTimeLine, a typescript/JavaScript UI component that pictorially displays correlated events defined in data across a defined set of paradigms. Used on our

applications to display Claims correlated with Authorizations and Eligibility for services as one example. General purpose could be used to show any data where a correlation in time is desired. <https://github.com/Harlock123/TSTimeLine>

- Development of our point and click querying tools aimed at providing our systems users with the ability to generate as many AD-HOC reports as they wish. Through the years this tool has taken on many forms and been embedded into many of the projects I have worked on, architected, supported. <https://github.com/Harlock123/TAIQueryReporter>
- Development of HealthIntech, a specialty product Health Record, Case Management, Disease management application that brings the access to contained information to all parties involved in the management paradigm to the table. (members, providers, case managers, finance, regulatory)
- Implementation of ASCA (Anthem Specialty Clinical Applications). Exposing formerly internal only information to outside entities such as the member via extensive sets of web-services across the myriad of systems where this information exists. Information presented can include, dictated by market specific requirements, Eligibility information, Prior Case/Care plans, Prior Authorizations, Diagnosis and medication current and history, Care Management team information, various printed documents, as well as present user interface for members to fill out and submit various forms directly to their care management team.
- Oversee our Integration into the Anthem Inc. environment after TAI's acquisition in Fall of 2015
- Data Warehouse Development and automated reporting tools created for several counties in Pennsylvania supporting their Public Sector Health projects.
- Principal Architect/Developer on the migration of the Silverlight based UI to HTML5/JS architecture employing JS support libraries such as jQuery, jQuery-UI, Bootstrap, AngularJS as well as a number of custom libraries developed in-house.
- Principal Architect/Developer on NJ Cyber, Central Florida IHSIS project and the Integra Health Management IntegraConnect projects. (Web Client/ SOA-Web services Backend Behavioral Health Record Systems)
- Development of a Web based system for Insurance entities to utilize for the purposes of conducting medical necessity determinations.
- Development of data visualization tools for several Pennsylvania county groups for all stages of their Healthchoices (federal Medicare carve-out) implementation projects.
- Development of custom tools and software entities to use as building blocks in all development environments, reporting applications, import/export applications and CASE tools.
- On-going development of software components targeting data visualization and end user presentation of information.
- Meet with clients and prospective clients to develop requirements and proposals for on-going and new development efforts.
- Development of written documentation and training programs targeting both end users and other developers
- Participate directly in marketing efforts via demonstration of products and ideas for solution of specific client issues.
- Frequent participation in proposal development and the proposal development process.
- Developmental direction, training, mentoring, and course setting for software development team.
- Development of code generation tools to provide software entities for abstraction of data/business objects in a uniform and security compliant manner. (Entity Framework years before Entity Framework became a 'Thing')

claims processing, payment system and call center for a case rated behavioral healthcare carve out of a large commercial health insurer based in Rhode Island.

- Integration of client/server system which included MSSQL Server backend, Exchange Server Messaging, Linux File, Print, and FTP/HTTP servers.
- Internal development of custom application layer to execute business logic.
- Internal development of reporting applications to assist in daily operations.
- Internal development of call center triage system providing active queuing of live calls through to responsible parties within the organization.
- Internal development of automated interface with commercial insurers legacy authorization submission system coupled with member/provider correspondence printing system solving a major disconnect that existed prior to HHM's inception.
- Development of training materials for all end users.
- When the software being purchased for the companies startup was found to be lacking in any of the stated/promised functionality, stepped up to the plate to develop an in-house system that would meet the needs of the company.

8/1995 - 8/1998 RDC Inc.

Warwick, Rhode Island

Software / Field Engineer / Technical Documentation / Quality Assurance and Testing

Product and quality control testing, Documentation, Development, and support of POS product POSitouch. This Point Of Sale product was employed by restaurants and other hospitality establishment's world wide. Collaborated with numerous hardware manufacturers including IBM, Compaq, Microtouch, Elo Touch, Star Micronics, and Epson. Traveled all over the world doing in-field support for clients and resellers.

4/1985 - 8/1995

MicroLimits Inc.

Smithfield/Warwick, Rhode Island

Sales and Support

Performed sales and service for a local computer store for ten years after graduating high school. Supported all existing operating systems, application software, networks, and support products and accessories for personal and small business use. Built custom system from scratch to customer specifications. Tested and deployed said systems in the field.