

Richard J. Varno / RVPS Inc.

(USA / Remote Only)

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My name is Richard Varno. I am a contract programmer / solutions architect with 20+ years of experience solving real-world, complex, hard to tackle problems with innovation, communication and common sense. I have excellent communication, C#, VB, SQL Server/MySQL, PHP, JavaScript, GoLang and problem-solving skills. I am currently available and would love to help you meet your development goals. Some of my strengths include gathering requirements from non-technical people, navigating the stakeholder / signoff process, pitching ideas as well as writing highly performant code. I am all about solving problems and am open to everything from short term assessments to multi-year contracts.

Areas of experience / expertise:

Microsoft SQL Server 4.2 / 6.0 / 7.0 / 2000 / 2005 / 2008 / 2008R2 / 2012 / 2014 / 2016 / Azure (20+ yrs)

SSIS / SSRS / ETL 7.0 / 2000 / 2005 / 2008 / 2008R2 / 2012 / 2014 / 2016 (15+ yrs)

MySQL 4.0 thru Current Development / Setup / Optimization / Administration (15+ yrs)

MS Access 1.1 / 2.0 / 95 / 97 / 2000 / XP / 2007 / 2010 / 2013 / 2015 (20+ yrs)

Oracle 8 / 9 / 10 (4yrs)

Database Architecture and Administration (18 yrs)

Solutions Architecting / Consulting (18 yrs)

ETL / Data Mining / Data Integration SSIS (18 yrs)

Natural Language Processing (4 yrs)

Microservices (4 yrs)

Business Analysis and Technical Requirements Writing (10+ yrs)

Project Management and Development Team Leadership (15+ yrs)

VB / Studio 1.0 / 3.0 / 4.0 / 5.0 / 6.0 / 2003 / 2005 / 2008 / 2010 / 2012 / 2013 / 2015 / 2017 (20+ yrs)

C# VS 2003 / VS 2005 / VS2008 / VS2010 / VS 2012 / VS 2013 / VS 2015 / VS 2017 (12+ yrs)

PHP 4 / PHP 5 Development (10+ yrs)

Cloud Technologies (Azure / AWS / Google Cloud Platform / Rackspace Cloud) (8 yrs)

Cloud Architecture / Systems Design (10+ yrs)

Jquery / Vue.js / Mustache / JavaScript Prototype / VBScript (8 yrs)

Crystal Reports 1.0 / 3.0 / 6.0 / 7.0 / 8.0 (11 yrs)

Wordpress / Joomla / CMS Plugins (8 yrs)

Go (golang) language (3 yrs)

Android Development / Java (1 yr)

Node.js (3 yr)

MongoDB (3 yr) / MariaDB (3 yr)

Progress RDBS (2 yr)

Scripting Languages / Bash / Powershell / Python / Perl (2yrs)

*Excellent communication, management, comprehension and conceptual design skills

General Duties: Systems Analysis and Design, Database Design/Architecture and Development, Cloud Architecture and Development, Application/Solution Architecture and Development, Project Management, Business Analysis, Customer Development, Vendor Acquisition and Negotiation, Business Model Planning and Mentoring / Training Junior Developers.

Selected Project Experience:

Architect / Engineer – Healthcare Physician Certification ETL 4/20 to present

Maximus (Ohio Medicaid) / Remote

Maintenance and redesign of a large scale, mission critical physician certification process. Modifications including: large scale document conversion over Tibco MQ, optimizing legacy code, requirements gathering, vendor interface and building web services to support new functionality. Large scale healthcare data migration from disparate sources to new system.

Solutions created with C# / ASP.NET / JavaScript / SSIS / SQL Server 2014 / Net Core

Lead Architect / Lead Engineer / CTO – Song Angel 8/20 to present

Song Angel

Chief Technical Officer, database and cloud architecture design, systems design and coding of a media rich music promotion and sharing platform.

Solutions created with Golang / Google CloudSQL / Cloud Storage / Containers / Javascript / Mustache.js / JQuery / Google Cloud / Mailgun

Architect / Engineer – Healthcare Revenue Cycle ETL 5/19 to 3/20

CereCore (HCA)

Maintenance and redesign of a large scale, mission critical revenue cycle ETL process. Modifications including: supporting regional splits, new hospital group acquisitions, optimizing legacy code, migration of data from multiple sources, requirements gathering and critical on call nightly support.

Solutions created with C# / ASP.NET / JavaScript / SSIS / SQL Server 2008 / SQL Server 2014

Lead Architect / Lead Engineer / CTO – SeeSnap Inc 11/18 to 5/20

SeeSnap Inc

Chief Technical Officer, database and cloud architecture design, systems design and coding of a high traffic, intelligent, microservice based mobile workflow platform PWA / SPA.

Solutions created with Golang / Google CloudSQL / Google BigTable / Google Vision / Cloud Storage / Containers / Python / Google Cloud

Lead Architect / Lead Engineer / Legacy Overhaul 10/18 to present

Newcourse Communications

Maintenance of legacy code, new product development, migration of legacy processes and internal websites over to new vendor platform. Migration of existing TFS platform to Azure Devops + ongoing support. Solutions created with C# / ASP.NET / VB.NET / VB6 / JavaScript / SQL Server 2014 / Azure

Consulting Developer / Architect 1/17 to present

International Songwriting Competition

Maintenance of legacy code, new product development, migration of legacy processes and internal websites over to new WooCommerce / Wordpress platform utilizing AWS platform functionality.

Including custom plugin development.

Solutions created with PHP / MySQL / Wordpress / AWS

Lead Architect / Lead Engineer - Compliance PT 3/14 to 9/18

Compliance Process Technologies (startup)

Chief Technical Officer, database and cloud architecture design, systems design and coding of a compliance related healthcare solution related to document maintenance and change control.

Solutions created with C# / ASP.NET / JavaScript / SQL Server 2014 / Azure Cloud

Solutions Architect / Platform Development 2/14 to 3/15

Syntel (HCA)

Solutions Architect / Development Process Engineering to modernize a large scale legacy healthcare supply chain application to be marketed to new lines of business. Interface mapping / vendor negotiation / process re-engineering. Database Architecture / Data Lakes and Data Visualization.

Solutions created with Java / Oracle / C# / Micro Focus COBOL / SQL Server

Mobile Application and Web Services Platform 10/13 to 1/14

(Company Confidential)

Database and cloud architecture design, test case coding and load testing of a scalable, high availability, mobile web based BLE / microservices platform and mobile device development SDK.

Golang / node.js / PHP / MySQL / MongoDB / MariaDB / MemSQL / Android Studio / JOYENT Cloud

Symmetry Surgical 9/11 to 10/13

SSI

Development of AspDotNet storefront based e-commerce site. Assisted in converting accounting system from Microsoft Dynamics / Great Plains to Epicor. Cloud architecture and development of large scale data warehouse / ETL / SSIS / SSRS Reporting.

Solutions created with ASP.net / C# / SQL Server 2008 / Epicor / Progress / Connectria Secure Cloud

Specialty Surgical Instrumentation 9/10 to 9/11

SSI

Maintenance and new development of AspDotNet storefront based e-commerce site. Setup source code management and developed a product cross reference search engine / maintenance system.

Solutions created with ASP.net / VB.net / C# / SQL Server 2005

TeCOUP 7/09 to 10/10

TeCOUP

Design, cloud architecture, coding and setup of a text message based coupon search and delivery system including back end web based partner setup and maintenance.

Solutions created with PHP / MySQL / AJAX / JQuery / Linux / Apache / Rackspace Cloud

Bluegrass Cellular 11/09 to 9/10

Paramore Redd Online Marketing

Coded EDI Interchange (XML and web services) to integrate with payment, service setup and product fulfillment partners for the on-line ordering section of Bluegrass Cellular website. Also created encryption algorithms to transfer data between C# and PHP in a secure fashion.

Solutions created with PHP / MySQL / AJAX / C#

Discovery Channel / ThinkLink Assessments 5/08 to 5/09

Discovery Education Assessments

Maintenance and enhancement of existing web based assessment system and corresponding PDFLib reports. Data model schema mapping, MySQL procedure tuning and user interface re-engineering. Solutions created with PHP / MySQL / AJAX / PDFLib / Linux / Apache / C#

MusiChristian.com / BooksChristian.com 6/07 to 4/08

MusiChristian

Acting Director of Information Technology / CIO. Re-engineered, improved and maintained current retail e-commerce system. Designed and developed content management style store system and site search engine. Architected plans for future development. Negotiated with vendors, oversaw and assisted with transfer of site to a managed cloud hosting provider, and authored documentation for merger compliance. Solutions created with PHP / MySQL / Linux / Apache / Connectria Cloud

Willowbrook Health Systems 9/07 to 12/13

Willowbrook Health Systems

Maintained and enhanced various Visual Basic 6 / SQL / Oracle applications in support of the Home Health, Hospice and MRDD Programs. Created new company website in PHP/Joomla including and interactive online referral system. Solutions created with VB6 / PHP / MySQL / Oracle / SQL Server

Steath Logistics Support 3/07 to 6/07

Lifeway Christian Resources

Maintained and enhanced various Visual Basic and ASP applications in support of the Logistics / Shipping department. Solutions created with VB6 / ASP.NET / Oracle / Sybase ASE / Unix Scripting

SSR Surveyor (JCAHO BMP Compliance) / Shop Mismatch 3/06 to 3/07

Smith Seckman Reid Inc

Created a building maintenance program extension to Autocad 2007 to manage JCAHO Life/Safety inventory and compliance. (50+ Users)

Created shop mismatch / correction system to reconcile hours logged vs. billed from multiple sources including Kronos, Timewand and DBASE IV data. (20+ Users) Solution created with C# / ASP.NET / VB.NET / JScript / SQL 2000 / SQL 2005 / Object ARX / DBX

Gideons International Online Community 1/05 to 3/06

Gideons International

Created ranked site search and bookmark functionality for existing online community (700 plus pages). Assisted in re-engineering current online order entry fulfillment process. Added support for multiple languages, date formats and nationalities. Created data models for existing DMG4 and OLC databases. Designed and implemented a 400+ table Data Warehouse for companywide reporting. 1500+ Users. Solution created with VB.NET / ASP / JScript / SQL 2000 / XML / XSL

Survey Tire Evaluation Program 1/04 to 12/04

Bridgestone Firestone North American Tire

Led a team of developers to integrate web and windows based .NET applications to manage the process of requesting field tests on consumer and commercial tires, and also approving, assigning and collecting complex test results for requests. Authored system design documentation. Multilingual / Multinational / Multi Unit of Measure. 30+ Users. Solution created with VB.NET / ASP.NET / SQL 2000

Small Business Packaging Services 5/03 to 12/03

Progeny Marketing Systems

Web based client services front end integrated to Artemis database on AS400 running DB2 via Hit OLEDB. Administration and customer service functionality for small business benefit packages. 100+ Users. Solution created with VB6 / ASP / VB.NET / ASP.NET / SQL 2000

Shippers Information System 11/02 to 5/03

Shippers Transport Company

Rewrite of internet based load tracking system originally written for AS400. DTS hourly interface with shipment and satellite positioning data from AS400. New development of web based load tendering integrated with existing EDI interface, inspection lane management, and available tractor dispatch web interface. Authored technical specification documents to support above applications. 100+ Users. Solution created with VB.NET / ASP.NET / SQL 2000

Prior Year Contractual / Agency Receivables Reporting (RAMS) 10/00 to 11/02

HCA Healthcare (Internet Technologies Group)

Led a team of developers to create an intranet / IIS based system to enable detailed recording, reporting and modeling of prior year contractual data and agency receivable data. Interfaced with GL data on DB2 / Teradata for variance reporting. 100+ Users. VB 6.0 / SQL 7.0 / ASP / COM / Active Reports

Trane E-Business (Comfortsite) 3/00 to 5/01

Trane – American Standard (E Business Team)

Served as technical resource and programmer for add on functionality and site enhancements. Web based system (built by third party) to serve the needs of Trane's dealer and contractor network. 1000+ Users. Solution created with VB 6.0 / SQL 7.0 / ASP / COM

National Dealer Inventory System (Capital Markets Desktop) 9/98 to 2/00

First American National Bank – AmSouth (Investment Services Group)

Web based / Intranet based system to obtain, catalogue, price, search and analyze fixed income securities inventory. 1000+ Users. Solution created with VB 6.0 Web Classes / SQL 6.5 / SQL 7.0 / ASP / COM

Housing Authority Tenant Management System (HATS) 11/98 to 10/00

Lewisburg Housing Authority

Data entry, accounting, inventory, reporting and administration modules to manage the day to day operations and HUD reporting requirements of the Housing Authority.

Solution created with VB 6.0 / SQL 7.0 / Crystal Reports 7.0

Substance Abuse Client Services Management System 9/98 to 1/99

Meharry Medical College

Data entry, reporting, and file export modules to gather, analyze and electronically report client and services rendered information to State of Tennessee for billing purposes. (Sold to State of TN for distribution to other agencies.) 100+? Users. Solution created with Access 97

Human Resources Management System 10/96 to 9/98

Pirelli Armstrong Tire Corp.

System to manage nationwide management of employee data, insurance eligibility, training, etc... with HTML Help documentation. 20+ Users. Solution created with VB 4.0 / Jet 2.5 / Crystal Reports 6.0

Defect Management Reporting System 8/96 to 10/96

Pirelli Armstrong Tire Corp.

System to import, correlate and produce custom reports for tire defects. 8 users.

Solution created with VB 4.0 / Jet 2.5 importing from COBOL on a DG mainframe.

Downtime Management Reporting System 6/96 to 10/96

Pirelli Armstrong Tire Corp.

System to import, correlate and produce custom reports and charts for machine and employee downtime in an incentive based production shop. 3 users.

Solution created with VB 3.0 / Jet 2.5 / Crystal 6.0 importing from COBOL / DG.

Engineer / Architect 3/96 to 12/96

State Industries

Architected and coded several systems to manage fabricated parts inventory levels and specification information as well as track production stages / scheduling for water heaters, track location on loads / trailers with separate modules for dispatching / gatehouse / backhaul scheduling / receiving with on-line help, manage float and wire transfer data / account balances for multiple accounts, to manage freight bills and backhaul invoices and to calculate pension plan options for employees.

Solutions created with VB 3.0/ 4.0 / SQL Server 6.0 . MSAccess

Cafeteria Maintenance System 3/94 to 6/95

Wyatt's Cafeteria's Corp Headquarters

System to manage maintenance issues for 60+ cafeterias in the southwestern US. Authored technical specification for the company's conversion from White Swan distribution to McClain Distribution.

Solution created with Access 1.1 / 2.0

Education / Intrests:

Ongoing, real world experience solving problems and making it happen (20+ years)

Columbia College - (1.5 years) - Chicago, IL / Computer Science / Sound Engineering

Ill Wesleyan University - (1 year) - Bloomington, IL / Computer Science / General Academics

Active in local church / Songwriter / Worship Leader / Guitar / Horses / CMSA / AQHA / SASS



I've been analyzing, designing, developing complex business software systems for over 25 years for a large range of corporations and organizations including The Discovery Channel, Lifeway, The Gideons, Maximus, HCA, First American National Bank, Trane, Bridgestone and Pirelli Armstrong. I've been involved in every aspect of the software development life cycle from CTO to coding, design and architecture. Solving problems with a combination of innovation, communication and common sense have enabled me to "make it happen" in critical situations. I've been happily married to my wife Donna for over 30 years, am an avid horseman and active in my local church. I toured with a rock band in my youth and am still a part of the Christian music scene in Nashville. My earliest (and still current) role model is Buckaroo Banzai.