

Contract Professional Since 1983

With more than 28 years experience in the design and development of database applications for enterprises as diverse as hospitals, medical clinics, health care professionals, national insurance providers, newspaper publishing, broadcast media, oil exploration, natural gas pipelines, chemical, aluminum, steel and plywood manufacturing, municipal and county governments, and more, I have been providing clients with contract services and delivering well-designed, efficient, and reliable database technology – on budget and on time.

Microsoft Access Expert

First and foremost, I am an expert Microsoft Access developer.

When it comes to creating powerful front-end solutions for ODBC / SQL databases, I have found no better development tool and few who use this tool as well as I do.

I am, of course, a very capable Visual Basic and SQL programmer along with supporting technologies. Typically, I design and develop applications to work with Microsoft Access, SQL Server, and ORACLE databases.

I also provide specialty, stand-alone or networked applications for controlling and communicating with

Contact and Support Information

Business hours are Monday through Friday between 9:00 AM and 5:00 PM Central Time.

Consultations are scheduled at any time convenient to the client.

Responses to unscheduled queries are usually within 4 hours and always within 24 hours.

R. J. Rock Database Applications

Long Beach, MS

Russell Rock

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E-mail: russ@rjrock.net

Website: www.rjrock.com

Privacy Policy

I do not share information with third parties about you, your company, your data, or your application, except to perform the work required to facilitate your project.

Full Life-Cycle Database Design & Development

In a nutshell, I provide full life-cycle database design and development services including initial design and specification, structural design, application design, development, testing, deployment, implementation, training, and support.

Relational Database Design

With more than 28 years experience in an array of business, commercial, governmental, and industrial environments, I have developed a keen understanding of the functional relationships and business rules required for designing solid database structure. I know how to avoid “over-complicating” a system as well as how to tame a complex monster.



Microsoft Access Database User Application Development

I use Microsoft Access to develop database user applications. I am renowned for my exceptional, professional, and intuitive user-interface design abilities.

Microsoft Access Runtime Deployment

I have built, deployed, and implemented numerous Access Runtime installations saving clients thousands of dollars on full-version licensing fees.

Database Platform Conversion & Migration

Over the years, I have provided conversion and migration services to several clients when required. The platforms have included ORACLE, SQL Server, Access, Fox Pro, Btrieve, Paradox, dBase, and delimited text files.

Microsoft Visual Basic Programming

When appropriate, I create additional database and supporting applications developed using Microsoft Visual Basic.

Existing Application Enhancement, Optimization, or Upgrade

Often, a client will have existing Microsoft Access applications that require some improving. I frequently provide modifications, improvements, enhancements, or optimization to increase efficiency and performance of existing applications.

Likewise, a client may need to upgrade from a previous version of Microsoft Access to realize the latest technology benefits. I provide the necessary analysis and recommendations to convert both the data sources and the applications involved, then provide the necessary modifications to assure a successful upgrade.



SPECIALTY SYSTEMS

- EMR / Electronic Medical Records Systems
- CPOE / Computerized Physician Order Entry
- Manufacturing Management Systems
- Business Management Information Systems
- Municipality Management Systems
- Utilities Billing Systems

Professional Background

I began my professional career in 1973 as an architectural designer in Dallas, Texas and was one of the revolutionary users of a computer system for the design of wood trusses. By age 25, I had my own design shop with several contract associates.

In 1977, I branched into providing design and construction management services for several condominium and apartment developers and became involved in the rescue of several failed developments for mortgage companies and savings and loans.

My association with these bankers lead to my eventual specializing in the design and construction management for the building of 21 banks and savings and loans in Texas, Oklahoma, and New Mexico.

In 1982, I changed gears by co-founding a weekly business newspaper based in Irving, Texas. The fledgling publication demanded a need for, the then new concept of, micro-computers. I answered the call and my career in developing computer solutions, innocently, began.

By 1983, I had designed and built the first weekly newspaper editorial network directly linked to an electronic typesetter known to exist in Texas.

Building upon this success, I proceeded to develop an SQL-based database system that eventually fulfilled all of the accounting, billing, payroll, and personnel record management requirements of the company.

I quickly realized that other people could benefit from my capabilities and began my career as a database design and development contract professional.

The Project Chronology covers the 28 years since I began.

Additionally, you may review an Alphabetical List of Clients, the Diverse Industry Experience I have gained, a list of many of the Application Types I have developed, and details about my Technical Skills.

Diverse Industry Experience

Over the past 28 years, I have been fortunate to gain experience designing and building data management applications and solutions for industry sectors as diverse as

- Accounting & Finance
- Architecture, Building Design, & Contracting
- Broadcast Media Advertising
- Casualty Insurance Claims Adjusting
- Chemical Manufacturing
- County Government
- EMR / Electronic Medical Records
- Environmental Services
- Exotic Imports Wholesale
- Grain & Food Commodities Wholesale
- Health Care & Surgical Services
- Health Informatics
- Hospital Record Management
- International Ocean Vessel Transport
- Municipal Government
- National Insurance Providers
- Natural Gas Pipeline Management
- Newspaper & Periodical Publishing
- Nuclear Power Plant Technical Training
- Oil & Gas Exploration Management
- Plastics & Resins Manufacturing
- Retail Grocery
- Retail Importers
- SCADA Management Reporting Systems
- Specialty Foods Wholesale
- Steel Pipe Manufacturing
- Surgical & Health Services
- Timber & Wood Products Manufacturing
- Wholesale Showroom Design & Construction

There are few database designers and developers who bring such diverse industry exposure to the table. My broad experience will serve you well.

Application Types

A partial list of the types of database applications I have designed and developed.

Accounting
 Asset Management
 Bar Code Printing & Reading
 Bill of Lading
 Budget Modeling
 CPOE / Computerized Physician Order Entry
 Commercial Sales & Quotation
 Cost Accounting
 Contact Management
 Customer Management
 Data Collection & Extraction
 EMR / Electronic Medical Records
 Equipment Downtime Analysis
 Estimating
 Financial Modeling & Price Trending
 Health Informatics / EHR System
 Industrial Scale Weights & Measures
 Inventory Management
 Insurance Claim Adjustment
 Invoices
 Job Management
 Laser Length Measurement
 Machinery Controls & Monitors
 Management Information Systems
 Manufacturing Materials Optimization
 Manufacturing Process Analysis
 Manufacturing Requirements & Specifications
 Paperless Office
 Payables
 Payroll & Personnel
 Physician Patient Medical History
 Point-of-Sale
 Production Scheduling
 Project Management
 Prospect Management
 Purchase Orders
 Quotations
 Receivables
 Resource Management
 Scheduling
 Task Management
 Technical Training Management
 Utilities Billing
 Vendor Management & Evaluation
 Voter Registration
 Work Orders
 Yield Analysis
 and many, many others

Technical Skills

Full life-cycle database design and development capabilities using

Microsoft Access
 Microsoft SQL Server
 Microsoft Visual Basic
 Microsoft Visual Studio
 ORACLE

I began using Microsoft Access and Visual Basic upon their initial release and, as an expert programmer, began building client applications for SQL Server and ORACLE more than a decade ago and other SQL databases as early as 1984.

I have working experience with *each and every version* of Microsoft Access, SQL Server, and Visual Basic.

Coupled with more than 35 years in business and management experience, my skills far exceed the capabilities of a typical database application developer.

Business & Management	36 Years
Applications Development	28 Years
SQL Based Applications	27 Years
Relational Database Design	27 Years
Microsoft Visual Basic	19 Years
Microsoft Access	19 Years
Microsoft SQL Server	19 Years
ORACLE Databases	15 Years
SCADA Database Design	15 Years
Internet Applications	12 Years
Website Design	12 Years

How I Work

1099 CONTRACT

As a contract professional, I work with clients on either an hourly rate basis or on a fixed contract basis.

LOCATION

I, generally, perform design and development work at my shop, often using a remote connection via your company VPN, with scheduled meetings on-site at the your location as required. If you prefer, I will negotiate performing design and development work at your site or anywhere in the United States.

PLANNING THE PROJECT

Good communication, organization, and planning are vital to the success of developing a solid database solution. I exhaust every effort to assure that the project is clearly defined before beginning the development process. I develop structural and interface design and specifications to a level sufficient to define the scope of the project.

DELIVERY & DEPLOYMENT

Although it is not always necessary in every case, testing, deployment, and implementation typically take place on-site at the your location. After-the-fact application updates are usually shipped to you via an e-mail attachment or downloaded from my FTP site.

DOCUMENTATION, TRAINING, & SUPPORT

I will also provide documentation, training, and support as required and negotiated.



Steps to a Successful Project

PROJECT SCOPE

We will discuss your project by telephone, e-mail, and/or face-to-face meeting to clearly define your requirements. If you already have specifications developed, I will review them and make recommendations as required.

ESTIMATE

After the Project Scope is clearly defined, I will provide you with a detailed estimate of the project. It is not unusual to go through this process more than once to arrive at a solution that fits within your short-term budget and many times a project is divided into manageable phases.

PROJECT AGREEMENT

Upon arriving at an acceptable Project Scope and Estimate, we will execute a Project Agreement.

DESIGN & SPECIFICATION

As defined by the Project Scope, we will discuss, and I will prepare, all documentation necessary to define the database structure and functional specifications of the applications.

DELIVERABLES

The various components of the database and applications will be developed and delivered according to the Project Schedule. During development, frequent communications are usually required and partially developed applications may be distributed for evaluation and feedback.

TESTING

Prior to deployment of your database and applications, a Test Period is usually determined to assure proper application functionality and debugging.

DEPLOYMENT & IMPLEMENTATION

After successful testing, your database will be deployed, applications are distributed and implemented.

TRAINING & SUPPORT

Any training and support defined in the Project Scope will be provided.

Alliance Health Group	Dayton, OH
2009 • HealthLynX EMR Electronic Medical Records System enhancements 2008 • System Upgrade to Access 2007 and Migrate to SQL Server 2005 2004 to 2007 • HealthLynX EMR System design, development, & deployment	
BASF	Baton Rouge, LA
1996 • Chemical and Resins Manufacture Process Analysis & Reporting	
Boise Cascade	Florien, LA / Oakdale, LA
1998 • Manufacturing Process Data Collection, Production & Downtime Analysis Phase 2 1996 • Manufacturing Process Data Collection, Production & Downtime Analysis Phase 1	
Cargill	Convent, LA
1999 • Paperless Office for K-2 Shiploading Facility in Mississippi River, Management Information System, Automated Grain Processing & Scale Data / Control System	
Deltech Chemicals	Baton Rouge, LA
2000 • Chemical Manufacture Process Testing Analysis Database	
Delta Truck Lines, Inc.	Columbia, LA
2000 • Resource Management & Tracking System	
Exxon, USA	Baton Rouge, LA
1996 • Plastics and Resins Manufacture Process Analysis & Reporting	
Entergy • Riverbend Nuclear Power Plant	St. Francisville, LA
1997 • Conversion of Technical Training System to ORACLE	
Environmental Services, Inc.	Evandale, OH
1995 • Sanitation Process Data & Control System	
Georgia Pacific	Gloster, MS
1997 • Executive Training for Microsoft Management Information System	
Hogan Exploration, Inc.	Columbia, LA
1996 • Oil Exploration & Gas Pipelines Operations Budget Modeling & Management System, Oil & Gas Price Trending System	
Kaiser Jamaica	Discovery Bay, Jamaica
1996 • Manufacturing Process Data Collection, Production & Downtime Analysis	
Kitchen Elegance	Gulfport, MS
2005 • Electronic Product Catalog / Pricing & Quotation System	
LaRoche Chemicals	Baton Rouge, LA
1997 • Inventory Management System	
Prudential Life & Casualty Insurance	Dallas, TX
1993 • Restoration Estimating & Claims Adjustment System	
SNF—Polychemie	Port Bienville, MS
2010–2011 • Design, develop, & deploy Orders Processing, Production Scheduling, Shipping Scheduling applications	
Stupp Corporation	Baton Rouge, LA
1998 to 2000 • International Comercial Sales System, Production Scheduling System, Cost & Yield Accounting, API Specification Quality Assurance System, ISO 9001 Certified Manufacturing Requirements System, Production Yield Analysis, Steel Purchasing System, Vendor Scorecard & Analysis 1997 • Total conversion of all data systems to ORACLE 1994 to 1996 • Management Information Systems for \$30 million plant upgrade, Upgrade Steel Pipe Finishing System, Upgrade Process Data Reporting, Management Information System, Steel Pipe Mill Process Data Reporting, Real-time Process Optimization, Product Finishing System, Product Inventory & Shipping System, Troubleshoot & resolve problems with existing Mill Finishing System, Manufacturing Process Trend Analysis	
The Journal / Metroweek	Dallas, TX
1983 to 1987 • Editorial, Publishing, Accounting, Billing, Payroll, & Personnel Systems	
Town Hall Systems	Gloster, MS
2001 to 2004 • Design, develop, & deploy full life cycle Municipal Budget Accounting, Information Management, Customer Service, Payroll & Personnel, Utilities Billing, & Voter Registrar Systems, and Municipal Court Records Management System	

Website Design Services

Get professional web design service by an expert. Get a custom website designed to your exact specifications.

Custom Website Design

Get online quickly with a 10-page website that I setup, host, and maintain.

Your custom website with up to 50 pages designed by a professional with a layout and style unique to your business.

\$100/month*
\$975 one-time design fee**

* additional design fees & monthly costs may apply
** 10 pages included in design fee — \$50/page for additional pages

Website Maintenance Services Starting at

\$100/month*

E-mail russ@rjrock.net
to schedule design consultation
or call 1.228.220.7003

For more information visit
www.rjrock.net/index_webservices.htm

Get a dynamic website for your business online quickly. I do everything for you, from setup and web hosting services to content updates and technical support.

Includes:

- **Domain Name**
- **1 Email Account with 50GB Storage**
- **5GB Web Hosting**
- **20GB Monthly Data Transfer**
- **Work one-on-one with a web expert**
- **Unlimited design revisions for 30 days**
- **Professional maintenance and content updates with 2 FREE edits a month**
- **Real Live Customer Support**

Full Service Search Engine Optimization Service (SEO)

Get found! In today's competitive environment, proper SEO is critical to the success of any business website.

\$300/month
\$750 initial consultation fee

Search Engine Optimization (SEO) is the process of analyzing and enhancing your website to help potential customers find it on Google, Yahoo! and other search engines.

Search Engine Optimization services can help you:

- **Gain more visibility on major search engine**
- **Get your site found on the web by people who are looking for it**
- **Increase traffic and grow your business**

Put your Search Engine Optimization efforts in the hands of a professional. I do all the work for you - from analyzing and monitoring your site to implementing html tags and editing your site content.