

Tanya Rhodes

tanya@solutionswebe.com

(800) 659-2951
(916) 752-3242
(866) 861-9335 (FAX)

Professional Experience

Solutions Specialists

Consultant (June 1996 – Present)

Kenwood Group, Inc

Web Application Developer (Dec 2006 – Current)

Provided design and development services to Kenwood Group to build an employee timesheet / time accounting application, and media lab production reporting application. Technology used includes PHP, SOAP, Web Services, AJAX, DHTML, XHTML, CSS, XML, Javascript, MySQL in a LAMP configuration. Work included:

- Design database and application structures.
- Build User Interface using standard Javascript Libraries (Yahoo, Dhtml, Dojo) and AJAX.
- Designed interfaces to third party accounting system.
- Assist in designing and building back-end support processes for database update, calculations, reporting, validation, authentication,

Innotas (formerly Project Arena)

Sr. Web Consultant (August 2006 – Current)

Act as web services developer/administrator responsible for all aspects of their public facing company website, including enhancements, new pages, marketing emails, ad word landing pages, with responsibility for creating and maintaining the site as needed. Work is 100% remote. Work includes:

- Content management (CM) including search facilities, marketing pages, email pages, as well as design and development of new pages.
- Technologies used in the website include: HTML, XHTML, CSS, AJAX, Javascript, PHP, CVS, Eclipse.

London Road Design

Sr. Web Consultant / Web Developer – (August 2006 – October 2006)

Act as web services developer with responsibility for architecture and building large public transportation website providing search, schedule, and various other capabilities. Also responsible for building and upgrading large consumer products website. Work was 100% remote. Work involved:

- HTML, XHTML, DHTML, CSS (table-less design), Javascript, PHP, Eclipse.
- Setting standards and building templates for each site.
- Cross browser, cross platform compatibility including IE and Mozilla on the PC, as well as IE, Mozilla, and Safari on the MAC.

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Professional Experience

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Consultant (June 1996 – Present)

Majors Company / Baker & Taylor

Sr. Consultant – Acting Web Services Manager and Natural Adabas Consultant (Sept 2005 – Oct 2006)

Act as Web Services developer/administrator and Adabas/Natural Consultant with responsibility for large commercial website with Adabas/Natural backend using Construct objects. Application provided web services for ecommerce bookstore capabilities. Work was 50% on site, 50% remote. Duties include creating and maintaining all aspects of the websites:

- Maintained backend Natural processes supporting web applications including inventory, shopping cart, shipping, login and authentication, Order handling.
- Content management (CM) including search facilities, shopping cart, private accounts, “My Book List” functions, registration and password access with Secure eCommerce using SSL (JSP, JSF, HTML, CSS, AJAX, Javascript, PHP (PEAR), Java (Struts, POJO, XML).
- Installed and trained client personnel in use of Natural Engineer. Responsible for loading and maintaining client Natural and Construct systems in Natural Engineer. Assisted in using Natural Engineer in converting systems from 10 digit to 13 digit IBNS number.
- Assisted in designing and building Natural bridge between Adabas (using EntireX) on HP UNIX and Mainframe Oracle and DB2 (using WebSphere RPC servers) Inventory databases. System syncs the databases and keeps web retail outlet up to date with the main wholesale inventory.
- Developed framework to:
 - create 250+ branded web sites for clients including Schering-Plough, Merck, University of California, etc.
 - generate and deploy new prototype web sites for marketing web products to potential clients
 - Interface with existing Natural Web Services on HP UNIX.
- Helped maintain EJB architecture to persist shopping carts in PostgreSQL and connect to back-end legacy inventory systems (DB2, ADABAS, and Natural/COBOL Applications).
- Responsible for System Development Life Cycle(SDLC) and all deployments.
- Supported sites include www.majors.com, www.***.mylibrarybookstore.com , www.HGTV.com (music CDs), www.majorsbooks.com (Template for 250+ branded sites).
- Maintained interfaces to additional systems including Amazon, Borders, Barnes and Noble sites as book and media suppliers.
- Used CVS, Eclipse, Oxygen as System software for development purposes.
- Assist in administering:
 - 14 Linux servers (Red Hat)
 - Linux Virtual Servers (LVS) Global File System (GFS) across 7 Dell blades (Linux Red Hat Enterprise Edition)
 - Tomcat, Apache, and SSL, Weblogic

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Professional Experience

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Consultant (June 1996 – Present)

University of California, Santa Barbara

Consultant (December 2003 – March 2004, October 2006-January 2007)

Design and develop WebServices using Natural MF, EntireX, Natural on PC, MS SQLServer. Primary goal was to build a series of generic accesses to allow MF Natural to access MS SQL Server databases on various Windows boxes.

- Install and setup Natural, EntireX on PC.
- Build Natural RPC server on PC.
- Build PC Natural interface with MS SQL Server database using ODBC Connection.
- Build MF Natural stubs to access MS SQL Server databases via EntireX, PC Natural and ODBC.

St Lawrence University

Web Architect / Developer (August 2004 – December 2005)

Design and develop new Alumni web site (alumni.stlawu.edu) using Adabas and Natural. Work was 100% remote. Tasks included:

- Design and alteration of new and existing database files in Adabas.
- Develop design for alumni system UI, including prototype web pages for user review
- The completed website technology was built on Linux (Red Hat) and included:
 - XHTML, CSS, Javascript, ePortal for Presentation layer using Natural and EntireX for connection to back end.
 - Natural and , EntireX and Java for Service layer
 - Natural RPC to establish communications with back-end processes / legacy systems using ADABAS residing on VM.

Solution Specialists

Sr Web Consultant / Developer (June 2003 – September 2006)

Act as designer, builder of websites. Work is 100% remote and duties include:

- Build, and maintain multiple web sites including contents, surveys, registration forms and updates using HTML, CSS, Java, Javascript, Photoshop.
- Sites include www.solutionswebe.com which offers consulting and training courses and www.sagggroup.org a hub web site and the associated 14 web sites.
- Responsible for look and feel, operation, hosting and update of web sites.

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Professional Experience

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Consultant (June 1996 – Present)

California Department of Mental Health

Senior Consultant (April 2004 – January 2006)

Work was 50% remote, 50% onsite. Acted as Lead Adabas DBA for all database services including:

- File design and implementation.
- Database backup and recovery procedures.
- Performance and tuning.
- Data modeling and database design for new applications.
- Installation of new SAG products on Linux servers and Windows.
- Day-to-day management of database services including review of reports, monitoring of traffic on EntireX RPC servers, Management and update of Predict for all database and application Documentation.
- Providing assistance to Programming staff regarding best practices, implementation and performance of natural processes and coding.
- Training and Mentoring of onsite staff.

Assisted in the design, and construction of C++ servers and APIs in Unix System Services (USS/zOS) to replicate ADABAS transactions in real time (Change Data Capture-CDC), including::

- Act as team leader to plan and manage CDC Project. Reported directly to Department of Mental Health CIO
- Building stored procedures for Adabas to begin capture of events.
- Assisted in designing and building SQL Server data structures and stored procedures for data warehouse to data mart processing
- Process included:
 - Real time capture of ADABAS events stored in a lightweight BSD database for further processing, Change Data Capture (CDC).
 - Development of TCP/IP client/server applications to extend the CDC_API from USS to Windows
- CDC data was wrapped in XML and the resulting packet was transferred into SQL Server asynchronously, then SQL Server stored procedures passed the packet to one or more of 14 servers across the state for local processing

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Professional Experience

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Consultant (June 1996 – Present)

LandAmerica Tax and Flood

Construct Modeler and Programmer Analyst (May 2004 – August 2004)

Upgrade custom Construct models (code-generator) system and develop customized Natural Construct Models as required. Participate in product upgrades, training of users in custom models, trouble shooting during normal maintenance activity, and planning and coordination of activities related to maintaining and upgrading the Construct environment

Visionary Integration Professionals, Inc. @ State of California, Board of Equalization

Sr. Project Consultant / Course Designer and Instructor (January 2001– January 2004)

Assignment included several different projects and required working alone with minimal supervision and leading a team. Completed tasks included:

- Designed, built and implemented a web based System Information Application(SIA) for managing design and implementation documents and meta-data. System used HTML, DHTML, CSS, Java, Javascript, Natural, Adabas, EntireX, PREDICT data dictionary, existing Word and Acrobat documents, as well as upload/download to Visio and Excel.
- Build web services to access information from legacy main frame applications.
- Various pilot projects testing possible tools and configurations for web-enabling their legacy systems (OS/390) including EntireX, IBM Websphere, .NET Frameworks, MSSF, XML Station, and others.
- Assisted BOE in updating their SDLC and methodologies to include ARAD, OO, JAD, Web based application design, data and functional modeling
- Train BOE personal in Systems Design, JAD, and System Modeling.
- Create and deliver custom classes for State of California, Board of Equalization (BOE). Courses are customized to the standards and requirements of BOE, and include hands on use of techniques. Courses include Advanced Systems Analysis and Design (covering Conceptual to Physical design issues), Advanced PREDICT, Advanced Testing Strategies, Advanced NATURAL Optimization,
- Assist BOE in managing and documenting custom CONSTRUCT models (program generator). Train the CONSTRUCT Administration team in managing and enhancing the custom models, managing Construct/Natural upgrades and supporting local maintenance staff.

Understanding Seminar Series

Course Designer and Instructor (June 1996 – Current)

Act as Course Designer and Instructor for various teaching assignments in the Understanding Seminar Series, including Java, Perl, UML, Networking, Web Enablement, Natural, JAD, Data Modeling, SDLC topics, RAD, Systems Analysis and Design topics, Project Planning and Estimating, and Adabas. Tasks included creation of custom seminars specific to client needs covering a variety of topics. Custom Seminars included client specific materials and seminars.

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Professional Experience

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Consultant (June 1996 – Present)

Miami-Dade College

Project Lead (June 2002 – December 2002)

Act as Project Lead to create a project and implementation plan for linking three existing systems together (two – one Cobol one Natural on OS/390 the other UNIX) via real time transaction propagation using EntireX BROKER, and to enhance the existing systems to more effectively notify and inform the user community via email using NATURAL to generate the email to the web. Work continued with actual implementation of enhancements via the Internet (work was 70% remote). Enhancements include coding upgrades, installing triggers for real time updates, and enhancing the Quality Assurance procedures to include the changes to the transaction process. System used Adabas, Natural, COBOL, Construct and EntireX.

CS Davis Associates

Project Lead(November 2001– May 2002)

Act as Project Lead to design and implement a common gateway interface (CGI) to allow NATURAL to interact with a web browser directly without middleware. Worked with the client to implement process. Assisted in creating CONSTRUCT models to accept the browser requests and generate an HTML response. System will accept a request for information from the browser, generate programs to retrieve the requested data, format and send it back to the browser in HTML format. The ultimate goal is to replace the 3270 (OS/390) emulation in the client's system with the web browser.

Miami-Dade College

Senior Analyst (February 2000– November 2001)

Senior Analyst working with Miami-Dade Community College to create enhancements for the Credit and Collections system (Adabas, Natural, Construct on OS/390) for the college. Assisted in planning, analysis and design for the enhancements and in reviewing the current Credit and Collections system for planning purposes. Created original Quality Assurance plan for incorporating new versions of package software at Miami-Dade. Assisted in upgrading standards.

State of South Dakota, Federal Meal Reimbursement Programs

Senior Analyst/Programmer

Act as Senior Analyst/Programmer to determine and implement enhancements and upgrades necessary to the State of South Dakota Federal Meal Reimbursement programs as indicated by changes to federal guidelines. Also worked to ensure application is Y2K compliant, and complete Maintenance Requests in clients backlog, and handle all production issues using Adabas / Natural / Construct / Predict. Work was done as an offsite outsource over a 2-year duration using PC Natural and EntireX Connections.

Miami-Dade Community College

Senior Analyst

Act as Senior Analyst investigating FCCSC software for Miami-Dade Community College. Assisting in planning and analysis for implementation and enhancement to the FCCSC software prior to installation at Miami-Dade Community College using Adabas / Natural / Construct / Predict / EntireX / PAC in an OS390 Environment. Work covered QA requirements, as well as standards and training plans. Work was done as

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Consultant (June 1996 – Present)

an offsite outsource over a 1-year duration.

Formal Systems Software Senior Analyst

Act as Senior Methodology Analyst to assist Formal Systems Software to create a Data Dictionary product for the network environment. Tasks include development of SDLC methodology schemes, review of current functions, discussion and definition of terms and processes, and feasibility of processes.

Ertl Toys

Senior Analyst/Project Leader

Act as Senior Analyst and Project Leader to determine enhancements and upgrades for Ertl Toys data warehouse system, specifically Purchasing Analysis and Sales Forecasting processes, and implement those upgrades through design, coding and implementation using Adabas / Natural / Construct / Predict / EntireX in an OS390 environment. Work was done as an offsite outsource over 10 month duration.

University of Georgia

Project Leader/Senior Analyst

Act as Project Leader and Senior Analyst to design and implement a real time housing system for University of Georgia, including a Web connection via ENTIRE BROKER to allow students to apply for and alter housing assignments. System includes management and assignment of available spaces, as well as all accounting functions (student accounts as well as billing) associated with housing using DB2 / Natural / Construct in an OS/390 environment to Web.

Leaseway Transportation Systems

Senior Analyst

Act as Senior Analyst to create project and implementation plan for Leaseway Transportation Systems to consolidate all equipment, drivers and routes for all divisions into one system (DB2 / Natural / COBOL / Construct in an OS390 environment).

University of Boston Senior Analyst

As Senior Analyst, create project plan including detailed design and implementation plan for University of Boston to create an in house student loan management system which would allow the school to originate as lender for all federal student loans using Adabas / Natural / Cobol / Construct / Predict / in an OS390 Environment.

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Professional Experience

Software AG

Principle Consultant (December 1988 – April 1996)

Various Clients and Positions as Follows:

Project Director/Manager

Creation and marketing of MoneyQuest, a data warehouse application aimed at non-profit, member based organizations. Includes Windows based event driven, ODBC compliant application designed to allow access to information required by fund raisers to facilitate donations, a data warehouse template for building the data warehouse (using any ODBC RDBMS) needed by the application, instructions for loading data warehouse, and ad hoc query and data analysis capabilities. Application written in PC Natural with EntireX, SQL Server and DB2 in an OS/390, UNIX to Web Environment.

Project Director for MoneyQuest development project, nation wide roll out to field organization including training sessions, marketing collateral, pre-sales and post-sales support. Has final approval for all proposals and pricing of application. Acted as Project Manager for first 2 implementations of MoneyQuest at client institutions.

Florida Community College Software Consortium

Quality Assurance Director

Quality Assurance Director - Florida Community College Software Consortium. Responsible for setting standards, review and approval of all application, data base, and interface designs, and training of project personnel in design and implementation methods. Coordinates and sets requirements for use of Rapid Application Development (RAD) methodology on project. Responsible for final user review and quality testing of application, and for porting application modules to alternate platforms including MVS, VSE, AS400, and Windows using Adabas / Natural / Construct / Predict / EntireX / PAC in an OS390 Environment.

Course Designer and Instructor (various periods over 8 years)

Responsible for creation and presentation of an SDLC methodology for Professional Services using Rapid Application Development and Deployment (RAD) guidelines and training materials, Project Estimation Guidelines and QualityAssurance Guidelines.

University of Tennessee

Project Director

Project Director for University of Tennessee projects including 2 FASTRACK training projects (Used to train staff in the RAD SDLC chosen for the University as well as the needed technical skills to carry out full projects), Proof of Concept project, and Business and System Plan. Responsible for design and development of data warehouses for school information including Alumni, Financial Aid, and Student Information on Sun and RS6000 UNIX platforms using DB2 / Natural / Construct / Predict / EntireX in an OS/390 and UNIX Environment.

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Professional Experience

Software AG

Principle Consultant (December 1988 – April 1996)

Various Clients and Positions as Follows:

South Carolina Retirement Services

Project Manager

Responsibilities:

Project Manager for South Carolina Retirement Services projects to create a long term disability operational system and data warehouse on HP UNIX platform. Also acted as project manager for Systems Architecture Plan developed as overall business and technical plan for rightsizing effort to move retirement systems from mainframe OS/390 to HP UNIX platform using Adabas / Natural / Construct / Predict / EntireX. Project included development of a custom SDLC for use at the site.

Federal Express

Project Director

Project Director for Federal Express project to create an operational system and data warehouse for tracking and managing parts and maintenance for aircraft used by FEDEX. System expected to allow FEDEX to more accurately order parts and manage inventory for fleet. Responsible for overall design and implementation of systems and SDLC, including RAD, JAD sessions, project timeline and turnover process. System expected to handle up to 6 million records over 3 year period using Adabas / Natural / Construct / Predict / EntireX in an OS/390 environment.

Georgia Tech Foundation

Project Manager

Project Manager for Georgia Tech Foundation project to implement data warehouse of fund raising information on RS 6000 UNIX. Project included synthesizing and transforming information from 12 sources (both University and private sources) into one coherent source of information. Responsible for design and development of EIS system on Windows platform to access information contained in data warehouse via the internet (using NATURAL and Entire X, and ENTIRE Broker). Sizing of data warehouse is at 150,000 individuals and organizations with nearly 10 gigabyte of information available using Adabas / Natural / Construct / Predict / EntireX. .

Dade County Schools

Consulting Analyst

Served as Consulting Analyst for project to build Accounts Receivable and Inventory system for county wide K-12 school system at Dade County Schools. Lead team in analyzing and designing database and application to handle all A/R and Inventory processing for county school system using Adabas / Natural / Construct / Predict in an OS/390 environment .

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Professional Experience

Software AG

Principle Consultant (December 1988 – April 1996)

Various Clients and Positions as Follows:

Caribbean / PR San Juan Phone System

Project Manager

Project Manager for project to design and build long distance phone service system for Caribbean to track and analyze sales information, calling patterns, and service usage. System was implemented as data warehouse application capturing and transforming information on calls and orders for long distance service. System implemented on HP UNIX system using Adabas / Natural / Construct / Predict.

TRW/REDI Real Estate

Project Director

Project Director for TRW/REDI Real Estate Data Warehouse Project (\$1.5 million, 1 year, staff of 17, with 3 Project Leaders and a Quality Assurance Manager). Project was to create an automated system to accept information from any source in any format, scrub and transform it, and load it to the data warehouse. Once the warehouse was loaded, the system had to be able to access the information as needed by the clients, and format the output as desired to any source in any format. The data warehouse had to be designed to handle 170 million records and be "code free", in other words all queries will be handled by meta data entered by market analysts. All code was then generated using various templates to meet user demands. The data warehouse was designed to provide information to counties, states, retailers and marketers about the demographics of a particular area. The system is currently in production and contains information about all counties in the US. System developed using Adabas / DB2 / Natural / Construct / Predict in an OS/390 environment

Santa Fe Railroad

Senior Analyst

Senior Analyst acting as Coordinator and Quality Assurance Review for all programs and applications for Santa Fe Railroad in a DB2 environment. Responsibilities including review of design and implementation of database and application designs, quality assurance of applications and overall systems review. Applications included Training Management and Notifications, Bill of Lading, Train scheduling and loading, Billing, Security, and other transportation related systems. Using DB2 / Natural / Construct / Predict in an OS/390 environment

Westinghouse Electric Parts Division

Project Leader

Project Leader for project to create Order Entry and Bill of Material system for Westinghouse Electric Parts Division. Responsible for analysis, design and implementation of system to handle standard electric parts orders, and customized electric parts orders, including smart bill of materials systems. Project included training local staff in SDLC methods including RAD. System developed using Adabas / Natural / COBOL / Construct / Predict in an OS/390 environment.

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Professional Experience

Software AG

Principle Consultant (December 1988 – April 1996)

Various Clients and Positions as Follows:

San Diego County, County Records Division

Team Leader

Team Leader responsible for training local staff in the SDLC using RAD as well as design and implementation of system for billing in county records division of San Diego County. System developed using Adabas / Natural / Construct / Predict in an OS/390 environment.

Professional Experience, Continued

Equifax Services, Inc. (now ChoicePoint) – Employee Sr. P/A

C.L. U.E. Development Team Leader (October 1986 – December 1988)

Served as Team Leader for on-line applications associated with the Claims Loss Underwriter's Exchange Data Warehouse. Purpose of the data warehouse was to capture meta data about information sent from insurance underwriters on automobile claims, and then allow those insurance companies to query the information contained in the whole data warehouse, which was developed to contain 170 million records. The system scrubbed and transformed the data and loaded it into the data warehouse. Once loaded, the system would capture meta data from the insurance underwriters regarding the queries to be run against the data warehouse. This was used by the system to generate and process queries from the insurance underwriters regarding claims patterns and individual fraud. The results were returned to the insurance companies via EDT. System developed using Adabas / Natural / COBOL / Predict in an OS/390 environment. Responsibilities also included analysis and design of the data warehouse, development of all on-line systems including the meta data capture system, customer service, individual query system, and billing system. The C.L.U.E. data warehouse was mainframe based.

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Professional Experience, Continued

T.S. Rhodes and Associates - Owner

Senior Contractor

Various Clients and Positions as Follows:

System Analyst:

Served as System Analyst on Marine Corps MSSS project materials management project. Tasks included design of database and applications for financial management, ship inventory, and order entry. System developed using Adabas / Natural / COBOL / Predict in an OS/390 environment.

System Analyst:

Served as System Analyst on project to build financial applications for a major printing supplier in San Antonio Texas. Systems included Accounts Receivable, Accounts Payable, General Ledger, Inventory, and reporting. System was developed on a Micro-VAX using COBOL.

Sr. Programmer/Analyst:

Served as Sr. PA on project to build Membership Management and Donation Handling system for the Shriner's of Texas. System was built as a DOS based DBASE application.

Programmer/Analyst

Served as Programmer/Analyst for small oil company converting to Adabas / Natural. Responsible for creating reports and loading information for the Data management team. Responsible for the data integrity of the converted systems.

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Education

Our Lady of the Lake, San Antonio, Texas
Bachelor of Science, Computer Science (1985)

Technical Background

- OS/MVS, UNIX, Linux (Red Hat, Suse), Java, JSP, JSF, HTML, XHTML, DHTML, Javascript, CSS, XML, AJAX, POJO, LAMP, NetBeans, Eclipse, MQ Series, SQL (MVS, UNIX, Windows), Apache, Tomcat, DB2, SQL Server, MySQL, ODBC compliant DBMSs, Adabas (MVS, UNIX, Windows), Predict, Natural (MVS, UNIX, Windows), Construct, EntireX product line (including Broker, Communicator, Network), Construct.

Training and Certifications

- Certified as a Business Data Modeler and Business Facilitation Expert (SMI) .
- Certified as Rapid Application Development Methods Expert(SMI, SAG),
- Analysis and Design (SMI, SAG),
- Relational Database Design (SMI, SAG)
- Project Management Techniques by SAG.
- Data Warehouse Methodologies and Techniques (SMI).
- Certified JAD Techniques Expert (SMI)
- User Interface Design Expert (LOGOS)

Publications

- Author, PREDICT Fundamentals, WH&O Publications Nov 2000.
- Author, PREDICT and Applications, WH&O Publications Nov 2000.
- Co-author of CONSTRUCT Application Development User's Guide WH&O Publications, Dec 1993, with upgrade Nov 2000.
- Various articles, white papers and presentations including "Basic Web Enablement", "New Web Sites From the Gound Up", "Network Basics", and others presented and published for The Natural Conferences, and various User Groups.