

Jonathon R. Ryan

6 Siempre Verde Dr. NE • Albuquerque, NM 87123 • 505-332-9340 • JRyan@SeeWolf.com

Experience

1996 – present Auburn SeeWolf, LLC Albuquerque, NM

Chief Technical Officer

- Designed and built software systems to solve specific problems for public-sector and private-sector customers.
- Developed line-of-business web applications and Windows forms applications using Microsoft .Net technology. Applications included B2B systems using Microsoft BizTalk; forms integration systems using dynamic PDF architectures; data collection, modeling, and rendering systems; and data migration systems. B2C systems included e-commerce and online web applications.
- Designed and implemented enterprise database systems, e-commerce systems, and LOB applications using Oracle and Microsoft SQL Server. Auburn SeeWolf systems are purpose-built and our database designs bridge the gap between normalization and high performance.
- Designed and programmed an estimating tool for use by engineers and financial personnel at US Government organizations. With broad experience in program management, accounting, and software development Auburn SeeWolf's estimating tool offers high productivity in a user friendly environment.
- Designed and developed membership tracking systems used by Native American Indian Tribes. In addition to tracking members and supporting elections, systems maintain genealogy and financial distribution information. Auburn SeeWolf also designed camera, signature pad, and scanner interfaces enabling the system to make photo identification cards compliant with State and National requirements.
- Developed high reliability, high demand web applications for collecting State-wide election results from County Clerks, maintaining a database of results for canvassing, and providing a public web site to view election results. Election results systems present a challenging testing environment. On its third generation, Auburn SeeWolf's system architecture has conquered this unique challenge.
- Developed data collection and graphic modeling system to productize prototype and bring new tool into the business consultant marketplace.
- Developed and operated Auburn SeeWolf's managed-business solutions network for e-commerce, data collection and reporting, and software distribution; providing womb-to-tomb support for complex web applications.
- Advised U.S. Government organizations in systems engineering and management for procurement of electronic systems.

1995 – 1996 Condor Systems San Jose, CA

Program Manager

- Part of business area acquisition transferred from Watkins-Johnson Company in 1995. Defined and developed new business opportunities, combining product lines from Watkins-Johnson and Condor Systems.
- Organized and staffed new business area to support sales of \$6 million the first year, with growth to \$8 million second year.
- Developed an improved system architecture for U.S. Government electronic systems based on Windows NT as a replacement for a HP-UX control and display subsystem. Performed trade studies and developed life cycle cost models to support the approach. Wrote and presented briefings, reports, and proposals to implement the system upgrade.

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1975 -1995

Watkins-Johnson Company

Palo Alto, CA

Program Manager (1990-1995, San Jose and Palo Alto Plants)

- Managed software and hardware development, sales, deployment, and logistics of a computer system for a DoD customer with annual sales of \$12 million. Responsible for all customer contacts and for writing and presenting all briefings and reports.
- Established a product improvement program to identify and implement upgrades to system hardware and software. Developed life-cycle cost models to support selling the upgrades.
- Developed new business opportunities to leverage system technology into new markets. Bid, won, and performed concept definition study for next generation system.
- Defined requirements, monitored, and controlled program and subcontractors. Selected vendors and negotiated subcontracts.

Engineering Services Manager (1985-1990, San Jose Plant)

- Managed product mechanical design team, design drafting, and engineering support organizations. Set up Human Factors engineering for new equipment designs.
- Implemented network and computer aided design processes to reduce product development time and improve quality.
- Wrote Pascal interface programs to automate transfer of databases between design and manufacturing applications.
- Taught scheduling, progress tracking, and earned-value management systems to project engineers.

Head of Engineering Support (1978-1985, San Jose Plant)

- Managed proposal preparation, marketing literature, technical writing, customer training, logistics support, and reprographics work centers.
- Taught applications and computer operation courses to employees and classes in proposal writing and contract administration.

Technical Writer and Instructor (1975-1978)

- Wrote technical manuals, sales literature, and proposals. Performed Verification and Validation of support documentation.
- Developed training documentation and conducted customer training for computer controlled electronic systems.

1965-1975

U.S. Navy

Various Locations

Electronic Technician

- Five years of technical schools and four years of field experience supporting computers, communications, and electronic systems. Repaired and operated various radar, sonar, navigation, and video systems. Developed computer aided and classroom courses and taught operation and maintenance of electronic systems.

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Technologies

Microsoft Software Development

- Visual Studio 2003, 2005, 2008, and 2010
- ASP, ASP.Net, AJAX, ASP.MVP
- Windows Forms Programming, Click-Once Deployment

Programming Languages

- Visual Basic and Visual C#
- TSQl and PLSQl
- FORTRAN and COBOL
- Pascal

Web and Internet Technologies

- HTML, DHTML, CSS
- XML, XSLT
- JavaScript, VbScript
- Crystal Reports

Configuration Management

- Microsoft Visual SourceSafe
- Microsoft Team Foundation Server
- PVCS
- Fortress Source Control

Relational Databases

- Microsoft SQL Server
- Oracle

Education

1976-1978	De Anza College	Cupertino, CA
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- Business courses in accounting, marketing, management, statistics and quality control, business law, economics and business communications. Computer courses in Basic and FORTRAN programming.

1965-1975	U.S. Navy	Various Location
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- Five years of Navy and contractor courses covering operation and maintenance of inertial navigation systems, radio and satellite navigation systems. Digital computers, analog control equipment, ESM, video systems, sonar systems, and radar systems. U.S. Navy courses in platform and programmed training techniques.

Clearance

- U.S. Citizen. DoD and Agency Top Secret SBI Clearances (Inactive).