

# Sandra L. Ryan

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## Experience

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1996 – present Auburn SeeWolf, LLC Albuquerque, NM

### Chief Executive Officer

- Responsible for P/L aspects for all projects and business functions.
- Primary customer interface to ensure contractual requirements are met within cost and schedule.
- Coordinate with existing customers to identify follow on opportunities.
- Perform technical and programmatic risk analyses and mitigation planning on all programs accepted by Auburn SeeWolf.
- Decompose and document System and Software Requirements which fulfill top level contractual requirements.
- Develop algorithms required to support financial, scientific and manufacturing applications.
- Develop highly reliable database infrastructures which support multi-faceted and multi-discipline applications.
- Design and develop dynamic websites and e-Commerce applications with emphasis on Reliability, Availability and Security.
- Maintain database and network infrastructure to ensure e-commerce and e-business applications are always available.
- Develop database centric applications that support commercial and Government organizations.
- Manage and maintain corporate data stores to ensure availability and integrity of information.
- Perform necessary database tuning and management to provide the necessary application performance.
- Generate test documentation to verify system requirements are met.
- Maintain configuration management tools and software for efforts developed.
- Maintain and manage software change requests and implementation status for all software projects.
- Perform test and quality assurance functions for all software generated by Auburn SeeWolf.

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2006 – 2007 GE Fanuc Albuquerque, NM

### Sr. Systems Analyst

- Decomposed System Requirements to allocate requirements to both hardware and software engineering.
- Developed System Design which met overall System Requirements. This included but not limited to:
  - Identifying Input/Output and throughput requirements
  - Hardware architecture definition
  - Software interface definition
  - System Test Plan generation
- Generated proposals based on defined system architecture which met customer's requirements.
- Program Manager responsible for P/L of \$5M in sales. Duties included:
  - Team building and coordination efforts
  - Earned Value for both cost and schedule
  - Negotiation with functional management to ensure successful implementation

## Sandra L. Ryan

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1998-1999

SAIC

Albuquerque, NM

### Manager, Applications and Systems – DOE/AL

- Provide leadership and team building for the application developers, systems administrator and desktop support staff.
  - Coordinated interfaces between SAIC teams and SAIC/Customer staff.
  - Program management responsibilities to ensure projects were performed with cost and schedule.
    - Provided Earned Value status for each project
    - Performed risk analysis and mitigation planning associated with each project.
- Performed needs analysis for current and future business opportunities.
- Provided technical leadership and support for integrating Oracle and Microsoft SQL based database client-server and web based applications.

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1991-1998

TRW, Inc

Sunnyvale, CA

### Program Manager

- Responsible for managing both technical and programmatic efforts of \$20M in subcontracts.
  - Developed procurement specifications and statements of work for efforts required
  - Teamed with vendors to ensure a win-win relationship
  - Managed vendors to ensure that cost and schedule reporting was accurate and within C-Spec requirements
  - Reported to TRW Corporate status of subcontractor s and any risks/abatements that were being performed.

### Lead Sr. Systems Engineer

- Responsible for defining requirements, architecture development, performing trade-off analyzes and generating V&V documentation for a >\$100M remote controlled receiving system.
- Implemented programs with C/Spec and CSSR requirements.
- Developed infrastructure designs and specification
- Primary technical interface with customer.
- Managed work packages for over \$40M of sales.
- Managed and coordinated multi-discipline teams to integrate a distributed FDDI networked collection system.

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1988-1991

Naval Surface Warfare Center

Dahlgren, VA

### Physicist

- Contracting Officer Technical Representative for logistics, software and hardware modifications and fleet support.
- Government engineer responsible for providing Verification and Validation of a near real-time processing system.
- Developed Algorithms to test and verify accuracy of missile systems.

## **Technologies**

### **Microsoft Software Development**

- Visual Studio 2003, 2005, 2008, and 2010
- ASP, ASP.Net, AJAX, ASP.MVP
- Windows Forms Programming and click-once deployment

### **Programming Languages**

- Visual Basic, VB.Net
- FORTRAN

### **Web and Internet Technologies**

- HTML, DHTML
- XML
- JavaScript
- Webtrends

### **Relational Databases**

- Microsoft SQL Server, TSQL and administration
- Oracle, PLSQL and administration

### **Configuration Management**

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

### **Network and System Management**

- Cisco Firewalls and Routers
- Sonicwall Firewalls
- Windows 2000, 2003, and 2008 Operating Systems
- Microsoft Virtualization Technologies

## **Education**

1984-1988

University of South Florida

Tampa, FL

- M.S. Physics. Specializing in Laser and Theoretical Physics
- B.S. Physics

## **Certification**

2011

PMP Certification, by Program Management Institute

## **Clearance**

- U.S. Citizen. DoD Top Secret Clearance, SBI and DOE Q (Inactive)