

CRAIG S. RENDAHL

SENIOR DEVELOPER

Senior IT Leader

Solutions-oriented professional an excellent track record of innovation and success. Strength in partnering with leadership, vendors, and clients to guide the design of high-value solutions to meet evolving education needs.

Strength in building, transforming, optimizing and expanding teams, infrastructures, systems, products and processes to achieve results, reduce costs, enhance quality and productivity.

Proven ability to forge solid relationships with individuals, specialized functional communities, and management, and build consensus across multiple organizational levels. Natural communicator and team leader with strong motivational skills and ability to build, produce, and succeed.

SELECTED ACHIEVEMENTS

- Originated and refined structured queries of Genesis student information system to routinely populate Destiny and NutriKids; originated specialized detailed SQL queries for populating ARISEnet, Naviance, StudyIsland, Technology Literacy Assessment testing, and Domain account automated creation/disabling – all activities greatly improving productivity of the learning environment in Marana Unified School District
 - Projector installation project manager, interfacing with vendors, working with contractors, and conducted training sessions with education personnel at several campuses of Marana Unified School District to oversee implementation of multimedia capabilities in the classroom
 - Optimized features of Destiny library management system such that return of loan materials accelerated considerably, greatly improving library throughput and reducing the number of lost items
 - Restored function of School Messenger automated calling system used in Food Services Department to reduce delinquency; improved interface and automation between School Messenger and NutriKids
 - Recipient of two Marana Foundation for Educational Excellence Awards for significant contributions to improving technology utilization and customer service at campuses within the Marana Unified School District.
 - Developed and refined an automated means to set-up/disable student accounts in Windows 2003 Server environment, allowing the creation of close to 4,000 new user accounts with the appropriate security, group policy and associated drive space in a mere 15 minutes; currently maintaining over 10,000 user accounts!
 - Achieved Top 10% Ranking in multi-billion dollar SPX Corporation for proven ability in attracting, developing, and integrating outstanding and diverse teams that modeled corporate leadership standards.
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PROFESSIONAL EXPERIENCE

MARANA UNIFIED SCHOOL DISTRICT – Marana, AZ

2004 to Present

APPLICATIONS MANAGER

Recruited initially as Computer Technician to provide optimal support to students, administrative, and faculty across three schools. Chosen and advanced to a fourth position with the District and given additional responsibility to oversee and manage the implementation, configuration, maintenance, troubleshooting, and usage monitoring of specialized systems within the District. Additionally, manage the further automation, maintenance, and upgrading of various applications and databases and their dependent application servers.

Full accountability for administering and maintaining multiple enterprise applications, primarily the student information system (Genesis), a SQL-based product. Support key third-party applications, including ARISEnet, Destiny, Naviance, NutriKids, StudyIsland, Technology Literacy Assessment testing, among others and populate/update with current information from Genesis. Manage and update District servers containing enterprise applications. Recommend, install, and monitor software changes and updates to keep enterprise systems current. Provide Level II support and training. Assist in administering and optimizing Microsoft Active Directory environment, and rolling out new hardware and software on servers and clients in Windows environment.

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Successes & Solutions:

- Developed, maintained, and refined the process of populating/updating various enterprise systems with appropriate information from Genesis, the District student information system
- Developed, maintained, and refined an automated means to set-up/disable student accounts with appropriate computing permissions in a Windows Client/Server environment greatly improving productivity
- Created common secure shared space within the network to allow Extended Learning Opportunities, Food Services, Human Resources, Health and Student Services, Students, and Teachers with designated location to access all pertinent computing information and systems, facilitating communications and productivity
- Participated in SQL environment overhaul in summer 2010 that greatly improved the hardware and software configuration of our District SQL computing environment, realizing significant performance improvements

PIMA COMMUNITY COLLEGE – Tucson, AZ

2003 to 2005

ADJUNCT PROFESSOR

Effectively delivered course curriculum to undergraduate students.

Educated and mentored students in Mathematics and Engineering studies. Developed lesson plans, exams, and labs; and assisted students with all questions and issues.

Successes & Solutions:

- Credited with facilitating the establishment of Engineering Department within the Northwest campus of Pima Community College. Assisted with structuring course curriculum and lesson plans.

SPX CORPORATION, SERVICE SOLUTIONS DIVISION – Tucson, AZ

1999 to 2002

REMOTE SENSING BUSINESS UNIT LEADER

Recruited by leadership and given complete oversight for establishing the Remote Sensing Business Unit (RSBU) and product offerings to successfully penetrate the marketplace for this multi-national company.

Scope of accountability spanned defining overall product vision and direction, product design and functionality, business development and growth, and building and leading cross-functional teams. Partnered with potential clients to identify needs for the development of next generation of Emissions Testing System delivering real-time data. Recruited, trained and directed team of twelve engineers and office personnel, and independent contractors.

Successes & Solutions:

- Wrote patent specifications for 18 applications, resulting in 13 patents granted.
- Spearheaded the development of 5 distinct products with 3 variations of Open-Path Vehicular Emissions Measurement System, including the 1st real-time data access and reporting system based on .NET architecture and commercialization of NASA-developed technology.
- Supervised the development of complex emissions measuring and photographic capturing systems; and conceptualized, designed and produced prototypes of complex open-path vehicular emissions testing equipment and related support equipment, resolving long-standing operational inconsistency with the industry.
- Led the design and creation of an optical structure to hold components utilized to measure speed and acceleration of passing vehicles along a roadway. Oversaw 2 generations of the prototype and the first production run.
- Drove the creation of Computer-Based Training (CBT) product, delivering expert training on system in multiple languages to the customer. Product was also utilized as a key marketing tool to capture additional business.
- Championed the development of Audit Vehicle System to validate accuracy of readings.
- Achieved Top 5% ranking of all managers within the enterprise for embracing and leveraging the competitive value of diversity, and for conducting business with the highest standards of ethics and integrity.
- Oversaw the build out and management of Windows 2000 infrastructure to support core business operations, including servers, desktops, and PBX system.

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REMOTE SENSING TECHNOLOGIES, INC. – Tucson, AZ

1996 to 1999

SENIOR SOFTWARE SYSTEMS ENGINEER

Brought in to oversee the development of next-generation of company's Remote Sensing Device (RSD) product for this wholly owned subsidiary of Environmental Systems Products (ESP).

Held complete responsibility for all aspects of product development and management for the emissions testing control console software. Researched, evaluated and oversaw the redesign of legacy product to Windows-based architecture to expand overall presence within the marketplace. Interfaced with clients to effectively deploy product at designated sites, deliver training to key personnel, and resolve all issues.

Successes & Solutions:

- Facilitated the capture of 4 patents for new products.
- Full life cycle redesign of legacy MS-DOS based Emissions Testing Control Console software to Windows-based technology, including user interface and data management system.
- Initiated, researched and introduced operational improvements into open-path vehicular emissions system, improving overall precision and accuracy of emission testing instrumentation.
- Oversaw the build out of new Data Center with capacity to process more than one million monthly records, delivering research quality data at low costs to clients.
- Designed and delivered technical training to clients on new system, allowing the utilization of equipment in multi-million dollar studies of vehicular emissions in support of important public policy revisions.
- Recognized as a Subject Matter Expert (SME) within the industry for remote sensing technology. Developed and presented technical papers on new concepts and next generations of open-path vehicular emissions testing equipment at technical and trade conferences, and during sales presentations. Provided technical expertise to clients on remote sensing issues.

WISCONSIN DEPARTMENT OF NATURAL RESOURCES – Milwaukee, WI

1986 to 1996

SENIOR AIR MANAGEMENT SPECIALIST – AIR QUALITY DIVISION

Led teams in evaluating and validating captured data to ensure adherence with national air quality laws.

Scope of responsibility spanned monitoring site operations, data analysis, technical writing, public relations, software development, system design, technical support, and team leadership.

Successes & Solutions:

- Designed, implemented and managed a complete data acquisition system to automate the capture, analysis and reporting of data from remote air quality monitoring stations to ensure compliance with USEPA.
- Planned, conducted and directed a 2-year study of open path vehicular emissions testing technology to identify feasibility of application for evaluating emissions in support of Clean Air Act Amendments of 1990.
- Launched a new public relations campaign in southeastern Wisconsin to advocate the reduction of emissions that cause ground-level ozone.
- Chosen as a member of the QA Subcommittee for the 4-state Lake Michigan Ozone Study to identify the causes of the tropospheric ozone.

EDUCATION & CREDENTIALS

Bachelor of Science in Electrical Engineering Technology

MILWAUKEE SCHOOL OF ENGINEERING

Courses towards Master of Business Administration (MBA) in Technology Management

UNIVERSITY OF PHOENIX

Registered Professional Engineer in the States of Wisconsin and Arizona.