

DAN ROBERTS

Greenville, SC

[LinkedIn Profile](#)

Danny2@clemson.edu

TECHNOLOGY OPTIMIZER / PROJECT MANAGER / AGING ENRICHMENT ADVOCATE / CORPORATE TRAINER

Business Optimization IT Developer, Project Manager and Corporate Trainer with extensive, hands-on experience in design, development, training and management for mission-critical Information Management systems. Proven professional in all facets of application development, with focus on process optimization and system integration in manufacturing, healthcare, and education sectors. Extensive expertise in application and web development, project management, user support, business research, strategic planning, curriculum design and delivery and administrative management. PhD Researcher on technology for Aging individuals.

STRENGTHS

Unique blend of technical, management, academic and communication skills. Highly professional written/oral communication, presentation, and value-proposition skills from shop-floor to classroom to boardroom. Creative problem-solver and consensus-builder with expert insight into business and personal optimization and related technical tools and techniques.

PROFESSIONAL EXPERIENCE

Clemson University Institute for Engaged Aging (IEA) Advisor and Research Partner **04/2019 – Current**

- Provide technology consulting and corporate outreach support for this organization conducting scholarly research on Aging and providing free health services to a wide population of older individuals.
- Authored the Mission Statement for the IEA Ambassadors corporate outreach team and recruited corporate associates to our membership.
- Provided design help on IEA website and the Clemson School of Nursing website.
- Served as consultant on research subject for Cognition and Memory Studies and the Preventing Alzheimers with Cognitive Training (PACT) multi-university/multi-year research study.
- My IEA role supplements my research on Aging and my dissertation on benefits of Retiree Volunteerism.

Cleveland Cliffs / AK Steel / Insight Global Consulting, Cincinnati and Middletown, OH **10/2019 – Current**

Senior Consultant / Trainer

Production Planning and Scheduling Systems – Supply Chain Optimization

- Provide principal front-line support for optimized scheduling for all corporate steel manufacturing facilities
- Design, develop and support and provide training for multiple Aspen MIMII math models integrated with COBOL/DB2, SAS and shop floor applications.
- Facilitate migration of all corporate planning/systems to emerging tools and technologies using Quintiq

UnitedHealth Group/Optum, Greenville, SC

12/2003 – 07/2018

Manager, IT – Service Delivery Manager / Agile Scrum Master

HealthCare Management Systems Development and Project Administration

- Designed, developed, and supported mainframe COBOL DB2/CICS relational and web-based applications for formulation and electronic delivery of medical and health benefits information, earning over \$6M annually in direct cost savings and revenue generation

- Managed multiple concurrent application development projects from charter creation through implementation using Agile and Waterfall methodologies in a matrix environment, bridging COBOL/CICS/DB2 mainframe, server, and web components.
- Led projects for UHG's first commercialized. Cloud-based customer-facing applications
- Responsible for Big Data Mining of project and application performance metrics and measurements and corrective actions for state and federal Medicare/Medicaid programs for aging citizens
- Responsible for budget, cost control, resource allocation and status reporting for up to forty concurrent projects, leading migration from Waterfall development methodology to Agile / Scrum processes.

Aspen Technology, Cambridge, MA

Senior Staff Consultant / Trainer / Project Team Lead

- **Development, Implementation and Training for Supply Chain Optimization Systems**
- Designed, developed and led training for Enterprise Resource Planning (ERP) systems
- Led requirements analysis, planning and training for global clients, earning excellent client acclaim
- Implemented integrated worldwide SAP and AspenTech software suite for **BP Amoco** as Project Manager of 20-member team, achieving multi-million dollar cost savings
- Lead Corporate Trainer in math optimization, designing and delivering courseware to a global client base

EDUCATION / PROFESSIONAL DEVELOPMENT

BS, Mathematics & Management Science- 3.1 GPA

MS, Computer Science, 3.98 GPA

Completed PhD Coursework in Human Centered Computing, 4.00 GPA

Currently Finalizing my Research and Dissertation

Clemson University, Clemson, SC

- Honor Graduate, worked at University Computer Center and summer industrial jobs
- Extensive technical and management continuing education from IBM, SAP/AG, Oracle, Aspen Technology, Monsanto, PriceWaterhouseCoopers, UHG, and others.
- Member of Councils of Advisors (www.thecouncils.com/aboutus.asp)
- Certified Consultant and Trainer in ERP / Supply Chain Optimization and Six Sigma Green Belt

TECHNICAL SKILL SET

Deep experience in PC, Client Server and Mainframe platforms and following software products:

MS Windows, Microsoft Office – Word, Excel, PowerPoint, Outlook, Access, Publisher. SQL, SAS
 Website Design and Development with HTML, Content Management Tools; AI Apps and Prompt Engineering
 IBM Mainframe / MS Client Servers / COBOL, IMS DB/DC, SAP R/3 PP, SD, MM; Workbench, ABAP
 AspenTech/MIMI eSupply Chain Modeling; SAP Interfaces / Human Interfaces / Artificial Intelligence
 UNIX Sys Admin; SOAP and REST web services. Agile / Kanban / Waterfall Development Methodologies

COMMUNITY INVOLVEMENT

Dan Roberts is very active in community development and volunteerism, firmly believing such involvement enriches the community and broadens his communication and business skills:

- Clemson University Institute for Engaged Aging – Advisor and Ambassador team member for the CU-IEA, authoring the Mission and Objectives Statement, consulting on technical tools and best practices and assisting in design and serving as pilot participant in the Memory and Cognition Research Project.
- The History Museum of Upcountry South Carolina – volunteer in strategic planning, communications, and administrative system development from fund-raising, through building construction, exhibits installation and start-up. Webmaster for www.upcountryhistory.org.
- Greenville-SC West End / Baseball Stadium Initiative – On committee to attract the Red Sox organization to Greenville. Assisted in community feedback and working with architects to establish historical perspective and proper neighborhood orientation for award-winning minor league baseball stadium. Have partnered with Greenville Drive on Cancer Survivorship, Textile League Day and appearances as Shoeless Joe Jackson.
- Shoeless Joe Jackson Museum and Baseball Library – served on Board of the Shoeless Joe Museum and as a tour guide and as impersonator of Shoeless Joe for many community events. Hosted numerous baseball-orient events, designed and maintained the Museum website, and coached the Museum's vintage baseball team in annual games with the Ty Cobb Museum.
- Greenville Little Leagues – Baseball coach and, webmaster for www.greenvillelittleleague.com, and liaison with Minor League Baseball and the media.
- Limestone University - Adjunct Professor on Information Technology, earning excellent student acclaim.
- American Cancer Society / Greenville-SC Division – webmaster for www.moonlightandmagnolias.com and leader in planning, marketing and execution of Annual Gala and Golf Tournament.
- Upstate Forever, Greenville, SC – Served as Volunteer Coordinator providing software support and professional writing for foundation dedicated to environmental and cultural preservation. Key resource in acquiring and developing the Swamp Rabbit Trail, Lake Conestee Nature Park and preserving thousands of wilderness and greenspace acres into eternal protective covenants and land trusts.
- Irish Children's Summer Program – Host family and Board member for group hosting children from Belfast, Northern Ireland, teaching team-building and reconciliation skills.
- Freelance Writer – Frequently published on such topics as historical preservation, business optimization, environmental concerns, and community development. Contributing writer for The Greenville Journal and content writer for www.greenvillejournal.com and www.thespartanburgjournal.com.

HOBBIES

- Mentoring, Coaching, Cycling, Mountain Hiking, College Sports, Basketball, Building Websites, Landscaping, Remodeling, Traveling, Reading, Dining, Music