

WORK SUMMARY

Chief Technology Officer & Director of Creative Technology Solutions, Zakon Group LLC, 2001-Present
Sample Clients: Cyber Defense Agency, Appalachian Mountain Club, MITRE Corp., Clean Air Task Force
Sample Projects: OpenConf, intranets/extranets, e-commerce, architectures, highest WiFi in NE-US

Senior Vice President & Chief Technology Officer (CTO), SoftZoo.com, Inc., 1999-2001
E-commerce consumer software portal and ASP

Principal Engineer & Internet Evangelist, MITRE Corporation, 1992-1999
Lead Scientist, 1994-1997; *Member of Technical Staff*, 1992-1994
Multilingual Computing, Intelligence Systems, Internet Technologies, Information Security

Director, Distributed Decision Making Research Lab, Weatherhead School of Management, CWRU, 1990-1992

Independent Consultant, 1988-1990
Sample Clients: VA Hospital, Apple Computer, NCR Corp., TechPool Studios, CWRU
Sample Projects: Expert system development, OOP & UI research, marketing

KEY STRENGTHS

Strategic Technology Initiatives
Rapid Prototyping & Programming
Emerging Technology & Market Assessments
Team Building & Management
Strategic Corporate Planning
Systems Integration & Administration

Advanced Technology Research
Training, Development, & Mentoring
Cross-Organization Collaboration
Client Needs Analysis
Multicultural & Accessibility Sensitivity
Simple & Creative Solutions

SELECTED ACCOMPLISHMENTS

- Provided guidance on FDA's \$2B ICT21 procurement and HHS CMS' electronic health records architecture
- **Lead developer** for the commercial open source OpenConf peer-review management system
- Set the vision and led the development and operations of a **consumer software portal and ASP**, bootstrapping initial operations and later raising over \$1M.
- As a **Technical Ambassador**, spent one year at MITRE sites around the world building and deploying rapid prototypes, educating engineers and managers on emerging technologies, and facilitating collaboration with their corporate campus counterparts.
- **Led the deployment of a multi-national secure network.** Brought in to jumpstart this stalled program with responsibility for the design and implementation of the network and information infrastructures, and to lead technical discussions with non-US government officials from Australia, Canada, Israel, and EU countries.
- **Integrated the first machine translation system with the Web**, pre-dating similar Internet capabilities by more than three years. This capability has been deployed and used worldwide for over ten years.
- **Designed and developed one of the first corporate intranets**, MITRE's Information Infrastructure.
- Designed and deployed the **highest wireless network (WiFi, 802.11) in the Northeast US.**
- Designed, developed, and managed dozens of web sites, including **sites receiving millions of daily hits.**

EDUCATION

Case Western Reserve University (CWRU), Cleveland, OH, 1986-1992

M.S. Computer Engineering & Science

B.S. Computer Engineering major with **Psychology** and **Philosophy** concentrations

The Peddie School, Hightstown, NJ

Colégio Andrews, Rio de Janeiro, Brazil

Fluent in English and Portuguese; speaking ability in Spanish

PROFESSIONAL ACTIVITIES

- Senior Member, IEEE
 - Board of Advisors Member, First Run (Angel) Investment Group
 - Organizing Committee Member & Web Advisor, ACSAC (Security Conference)
 - Chairman, SIGNIDR V (Networked Information Discovery & Retrieval Conference)
 - Co-Chairman, User Interface Symposium
 - Coordinator, Foreign Language Technology Symposium
 - **Author of *Hobbes' Internet Timeline***, published in hundreds of magazines, books, and web sites
 - Presenter at over 20 conferences, symposia, and invited keynotes, including the WWW (W3C) Conference, Eastern Communications Forum, and NATO Information Systems Management Conference
 - Author of over 30 technical papers and briefings ranging in topic from information security and Internet technologies to multilingual computing and policy
 - Book reviewer for O'Reilly & Associates and MacMillan Publishing
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AWARDS AND TESTIMONIALS

Testimonial, Lead Government Contractor

"You are a professional with tremendous skills, you are an asset to every team you work with, and we value your help at all times."

Recognition Award, OSIS International – secure multinational VPN

"Your efforts have resulted in a solution that allows International ...access securely using low-cost commercial technologies in an innovative manner"

Recognition Award, BCS – first bilingual (English/Japanese) Intelink extranet

"Your contributions ... are indicative of the type of behavior that adds value and reflects well on MITRE"

Testimonial, Non-Profit Executive Director

"And I personally thank Robert for his patience, expertise and ingenuity for making this very, very complicated upgrade to our site happen. I can't even imagine where we would be without Robert!"

Director's Distinguished Accomplishment Award, WebMT – first web integration of machine translation

"Despite an extremely aggressive schedule, and a limited budget, The ... Team rapidly defined, designed, and deployed" "Working with initially vague requirements, the indefatigable ... Team worked long hours to ensure an excellent product which received customer praise"

Director's Distinguished Accomplishment Award, MITRE Information Infrastructure (intranet)

Program Achievement Award, Intelligence Community Open Source Coverage & Capabilities Database

Special Recognition Award, NASA Spacelink Interface Study

"Your contributions were outstanding and performed under difficult conditions, including short turnaround time and limited funds. Your participation was critical to the success"

Testimonial, OpenConf Client

"Thanks a million, Robert. You are one in a million."
