

Digital Transformation Leader

Versatile Senior Technical Leader and Systems Architect with 30+ years of experience driving scalable, high-availability solutions in manufacturing, automation, public safety, e-commerce environments and applied IT solutions with a focus on how real-world systems are designed, integrated and supported. Self-taught engineer who has repeatedly demonstrated rapid learning and adaptability—mastering emerging technologies and pivoting across stacks to deliver innovative, high-impact outcomes under complex constraints. Proven in resource management, change management, agile methodologies, enterprise system integration, and leading cross-functional teams, often exceeding expectations through ingenuity, determination, execution, and AI-assisted rapid prototyping (e.g., ChatGPT, Grok, Copilot). Endorsed for detail-orientation, collaboration, and proactive leadership. Seeking senior roles in automation engineering, technical strategy, systems leadership, or consulting—prioritizing competitive compensation, strong benefits, and strategic impact (industrial/manufacturing preferred but flexible).

Core Competencies:

- Leadership & Strategy: Technical Leadership, Project & Change Management, Stakeholder Alignment, Resource/Budget Oversight, Agile/SDLC
- Soft Skills: Adaptability & Rapid Learning, Creative Problem-Solving, Determination & Execution, Cross-Functional Collaboration, Entrepreneurial Mindset, Team Motivation
- Technical Domains: Industrial Automation & IIoT, Data Acquisition/Integration (MQTT, Node-RED, Grafana, InfluxDB), Scalable Architectures, OLAP/BI, Web Services, Infrastructure Deployment
- Tools & Technologies: Node.js, JavaScript/jQuery, PHP, Python, C#, SQL Server/MySQL, Docker, Git, VS Code, Arduino/Arduino IDE, Siemens/Allen-Bradley/Omron/Fanuc Hardware, Kepware, Grafana
- Operating Environments: Ubuntu, Windows, Linux Containers

PROFESSIONAL EXPERIENCE

Ashley Furniture Industries – Advance, North Carolina – Senior System Engineer/Automation Engineer 2016/09 – present

- Led end-to-end design, development, and support of shop floor data acquisition, transformation, and visualization systems for Manufacturing, Automation, Distribution, and Plant Engineering—integrating diverse industrial machines via Node.js, MQTT, InfluxDB, Node-RED, and Grafana to drive real-time insights and efficiency.
- Architected and maintained integration, monitoring, and reporting solutions for automated manufacturing, warehousing, distribution, fire protection, compressed air, and dust collection systems—demonstrating strategic thinking and cross-departmental coordination.
- Coordinated global industrial machine network initiatives as key working group member, establishing technical specifications, prototypes, processes, and KPIs—showcasing leadership, adaptability, and stakeholder management.

Roadpoints LLC – Jacksonville, Florida (remote) - Solution Architect/Principal Software Engineer 2015/03 – 2016/09

- Directed full product lifecycle—from conceptualization to commercial release—working directly with CEO on customer account management platforms, REST web services, and mobile integrations (PHP5/MySQL/CodeIgniter, jQuery/CSS3), exhibiting entrepreneurial ownership and marketing alignment.
- Collaborated with Android/iOS teams to manage workloads and features supporting merchandising, support, and BI/reporting—highlighting strong communication, prioritization, and growth-oriented mindset.

The Select Group (Qorvo) – Greensboro, North Carolina –Consultant/Senior System Developer 2015/11 – 2016/07

- Led planning, troubleshooting, feature implementation, change management, and continuous improvement for legacy manufacturing/quality systems (C#, VB.NET, SQL Server, SAP BAPI)—enhancing reliability of K2 workflows and substrate/wafer ordering systems interfacing with SAP.
- Implemented TFS, web deployment, and CI processes for ISO 9001 compliance—demonstrating process discipline, analytical insight, and collaborative liaison skills with analysts/designers.

Interact Public Safety Systems - Winston-Salem, North Carolina – Senior Software Engineer 2011/08 – 2015/03

- Architected and supported mission-critical 911/public safety applications (C#, ASP.NET, WCF/SOAP REST, SQL Server SaaS)—including NCIC entry, CAD messaging/timer services, and third-party emergency interfaces—ensuring high-availability and regulatory compliance.
- Provided field engineering support for installations/troubleshooting/customization's—exhibiting resilience, detail-orientation, and eagerness to resolve complex issues under pressure.

Sports Endeavors - Hillsborough, North Carolina – Senior Web Developer

2007 - 2011

Accountable for performing research, requirements gathering, architecture and design of wired and wireless applications facilitating the merchandising and retail sales of sporting goods and apparel

- Led research, requirements gathering, and architecture for e-commerce/merchandising platforms (Eurosport Soccer.com/Lacrosse.com)—integrating Endeca, Experian QAS, Google Analytics/Coremetrics, and multilingual support (ISO 4646).
- Delivered responsive desktop/mobile solutions—showcasing creative problem-solving and end-user focus.

Independent Consultant / Senior Software Engineer / Team Lead

PlanetX Productions (2004–2007), Interactive Metronome (2001–2004), Morfeo Media (2000–2001), Vision Business Technologies (1996–2000), FL/NC

- Pioneered scalable e-commerce, streaming media advertising (personalized insertion/OLAP reporting), and retail OLAP/BI solutions—managing budgets, teams (up to 7 developers), subcontractors, and multi-city infrastructures.
- Built fault-tolerant systems, automated revenue-generating commerce (15% monthly gross), and global networks—demonstrating entrepreneurial vision, resourcefulness, and executive reporting.
- Directed infrastructure from ground up for distributed teams—exhibiting strong leadership, budget management, and strategic execution.

Early Career / Internships (1992-1996)

GTE Americast, Vigyan Systems (NASA subcontract), Siemens Automotive

- Developed transactional databases, reporting applications, and dynamic SQL algorithms—building foundational expertise in feasibility analysis, design, and implementation.

Volunteer & Community Leadership

- Habitat for Humanity Volunteer (2007–Present): Hands-on community building in NC counties.
- Certified On-Call Volunteer, Community Emergency Response Team (2010–Present): FEMA-trained in disaster response.
- American Red Cross 'Gallon' Donor (2003–Present).

Education

B.S. in Computer Engineering (in progress, 125 credits completed, GPA 3.2)
Old Dominion University / University of South Florida

A.S. in Engineering (Honors, GPA 3.358)
Thomas Nelson Community College

Professional Recommendations (11 Total)

- Praised for dedication, high-quality/on-schedule delivery, broad expertise, efficient architecture, and team collaboration—"would not hesitate to hire or recommend" (Sid Winslow, InterACT911).
- Described as "extremely talented, detail-oriented... eager to jump in and help" (Cary Steiger, InterACT911).
- More at LinkedIn