Jim Ladd

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Publications & Whitepapers: https://jladd413.github.io/

Senior IT Professional

IT Leadership & Strategy – Systems Engineering & Architecture - IT Project Management

Software Development

Systems Architecture

Enterprise Application Integration

Business Process Management

Continuous Improvement

Process Automation

Team Leadership

Cross-Team Collaboration & Consultation

Technical Troubleshooting

Testing Strategies

Analytical, highly versatile and savvy professional with extensive experience developing, implementing and scrutinizing systems to deliver improved quality and efficiency.

Expertise in the alignment of business and end-user needs with innovative and creative long-term solutions to complex IT challenges. Strong track record of success.

Strong knowledge and competence with diverse and essential protocols, operating systems and software that can be leveraged to handle technical projects and deliver successful outcomes.

Accomplished communicator and strategic business partner adept at building and enhancing relationships to advance cohesive, critical operations and business goals and deliver ROI.

Skilled troubleshooter continually focused on identifying, isolating and resolving technical issues.

CAREER ACCOMPLISHMENTS

- Founded and led an IT consulting service that supported clients in 15 diverse industries.

- Enterprise architect for an IoT-based air quality monitoring startup using AWS serverless technologies.

- Developed effective disruptive automation software for the #1 national grand format printing firm, successfully driving plant productivity levels beyond client expectations and targets.

- Designed, developed and led the implementation of robust software for GSA-sponsored Networx and Wits3 programs, substantially reducing time to market for the new product from days to just hours.

- Turned around and redeveloped a failing software system project in a challenging 3-month timeline that subsequently allowed a business to participate in government programs of $1.1B and $800M.

- Pioneered the application of real-time scheduling algorithms for medical diagnostic equipment that delivered unprecedented in test per hour performance and test panel flexibility.

- Created real-time control software for the first self-sufficient, autonomous vehicle (NavLab).

PROFESSIONAL EXPERIENCE

Principal strategist and visionary for top-flight IT consulting and professional services within wide-ranging business sectors. Lead and manage complex and diverse business challenges, technologies and high-value projects. Spearhead business operations, strategic planning, sales activities, contract negotiations and human resources.

- **Systems Development:** Headed the development of multiple innovative and, at times, disruptive, solutions in multiple problem spaces with a wide range of technologies. Developed three different applications for process automation which were sold commercially.

- **Client Service:** Deliver elite customer service through responsive interfacing, collaboration, problem analysis, prompt determination of appropriate solutions, solution implementation and comprehensive follow-up.

- **Research and Development:** Discovered, developed, and deployed leading edge software engineering technologies over three decades. Areas of early adoption include mobile robotics, object-oriented design, automated testing, Java, web services, XML, business process management, and serverless computing.

- **Continuous Process Improvement:** Driven continuous improvements with both clients' business processes and software development technologies, practices, and techniques.
- **Project Management:** Lead multiple projects from micro to large size. Early adopter of Agile development in early 2000s. Created one of the first project effort estimation tools for object-oriented development.

EMPLOYMENT HISTORY

WAZEE GROUP—Tampa, FL | **President / Principal Consultant** *(10/2000 - Current)*
Founded and led niche software consulting company with engagements in 15 different industries

SOFWERX—Tampa, FL | **Senior Software Architect / Manager** *(08/2019 – 08/2021)*
Lead the software engineering and system administration team for non-profit R&D organization

BOLDTECH SYSTEMS—Denver, CO | **Lead Architect / Project Manager** *(10/1999 - 10/2000)*
Led the development of Fortune 500 client inaugural internet- based sales system

LEVEL 3 COMMUNICATIONS—Denver, CO | **Lead Architect / Project Manager** *(10/1998 - 10/1999)*
Technical lead on a Network Inventory Distribution project

VF CORPORATION—Greensboro, NC | **Independent Consultant** *(01/1997 - 10/1998)*
Technical lead for a retail floor space planning system

IBM INTEGRATED SYSTEMS SOLUTION CORPORATION—Denver, CO | **Lead Architect** *(03/1995 - 01/1997)*
Lead application design for convergent billing system for telco client

ABBOTT LABORATORIES—Dallas, TX | **Lead Architect / Manager** *(10/1988 - 03/1995)*
Founded Object Technology Center and managed software teams for diagnostic medical devices

CARNEGIE-MELLON UNIVERSITY—Pittsburg, PA | **Research Engineer** *(09/1986 - 10/1988)*
Developed software for autonomous vehicles and testbeds

TECHNICAL PROFICIENCIES

Java | Python | JavaScript | C# | C++ | C | AWS | PL/SQL | Windows | Linux | iRMx | Vrtx
Microservices | DynamoDB | Snowflake | SQL Server | Oracle | Scrum/Agile| BPM | IoT | EAI | Drools
Serverless | Process Automation | Messaging Systems | Real-time Computing | GitLab | Machine Learning

EDUCATION AND CERTIFICATIONS

CARNEGIE-MELLON UNIVERSITY, Pittsburgh, PA
Master in Manufacturing Engineering

UNIVERSITY OF TEXAS, Austin, TX
Bachelor of Science, Mechanical Engineering

Certifications

AWS Certified Machine Learning – Specialty | Certified ScrumMaster | AWS Certified Big Data - Specialty
AWS Certified Developer – Associate | AWS Certified Solutions Architect – Associate
Certified BEA WebLogic Developer | Certified WebMethods B2B Developer |
Certified WebMethods Enterprise Developer | Certified Sun Microsystems Programmer for Java 2 Platform