Robert Wales

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Synopsis

I've implemented many projects in a variety of technologies. None has yet broken me to any locked-in mindset. If any technology ethos defines me, it's the unix philosophy of small, clean tools that can be easily wired together to make something better than the sum of the individual parts.

Highlights

- **Team Development.** I have built high performance project teams for PSI, Claremont, and MAXIMUS on several occasions—teams that specialize in on-time delivery of software projects, including many "must do" projects that required exceptional effort, creativity, and teamwork to pull off.
- **Architecture.** I have designed countless systems including large mainframe-system rewrites, large-scale Web sites, five-nines systems, and small embeddable software appliances. I love getting the architecture right and being able to deliver everything in the late stages because of good choices earlier.
- **Business Capture.** On critical project bids, I performed key roles in winning the work and/or the customer. I'm frequently called upon to tell the technical story and to defend a complex software solution. I also contribute essential parts to written bids.
- **Technology Assessment.** I have led a variety of technology assessments, including technical due diligence during PSI's acquisition of a software company for its software product, several technology-organization capability assessments, feasibility studies, and architectural reviews and assessments.

Special Skills

Software Architecture	Process Automation
Software Dev Process Improvement	Cost Estimation
CSM (Certified ScrumMaster)	PMBOK-Based Project Management
Orals / Selling the Technical Solution	(Software) Team Development

Technologies / Platforms / Languages

I've practiced or used everything on this list for a minimum of 2 years, most for much longer.

Scrum (CSM)	Node.js
Ruby / RoR	Web / Javascript
unix	Restful Web Services & APIs
Amazon Web Services / Cloud	NoSQL Databases (MongoDb, CouchDB)
Java / JEE	DSLs / compiler development
C / C++	Windows / .NET / C#

Concepts / Technology Arenas

Service Oriented Architecture (SOA)	Workflow / process integration
Legacy system integration	"Little" languages & parsers / interpreters

Work Experience

Jan 2012-present Policy Studies, a division of Maximus
1515 Wynkoop St. STE 400 / Denver, CO 80202
303.863.0900

Jan 2012-present Senior Consultant

Numerous project-oriented engagements:

- Nevada NOMADS Feasibility Study. Identify the best path for the State of Nevada's Department of Welfare and Social Services to replace a key mainframe system.
- MAXCAP. Rebuild an internal application for governmental cost plan and budget development.
- Maryland ECMS. Build Maryland Department of Human Resources an imaging solution and integrate it with their Child Support and Social Services programs.
- Maryland CARES. Architect and build an improved, process-oriented, Web-delivered upgrade to the current mainframe-based eligibility and benefits management system, materially improving worker productivity and client / case outcomes.

Mar 2011-Sep 2011 Claremont Information Systems LLC
1621 18th St. STE 150 / Denver, CO 80202
888.404.4766

Mar 2011-Sep 2011 Chief Information Officer

Hands-on leader of the technology teams that worked to develop an innovative platform for data collection and analytics that focuses on real-time information about distressed real estate. Successfully aligned and integrated the (previously disjoint) teams and implemented improved methodologies that enabled the teams to improve delivery of functionality, improve system quality, and plan for expansion more effectively. Technologies used include Ruby on Rails, Amazon Web Services, MySQL, MongoDB, R, Javascript / HTML, and others.

1989-Mar 2011   Policy Studies Inc.
1515 Wynkoop St. / STE 400 / Denver, CO 80202
303.863.0900

2006-Mar 2011   Principal Consultant

Primary responsibilities include business development and project execution. Acted as Technical Lead on a project to develop an assessment and modernization roadmap for Nevada's NOMADS (mainframe-based) Child Support system. Previous projects include a feasibility study for the State of Oregon's Child Support system, and an Enterprise Architecture plan for Oregon's Judicial Department. Innumerable other projects.

2004-2006   Vice President of Enterprise Technical Architecture

Primary responsibilities included developing PSI's strategic technology infrastructure, managing PSI's Architecture Services Group, and business development. Chaired PSI Technology Steering Committee.

2000-2004   Vice President of Software Development

Primary responsibilities included managing all of PSI's internal software development projects, and participating in select external engagements as architect or senior resource. Also significant business development responsibilities in writing proposals, making sales presentations, and costing solutions for development bids. Developed a first-class team of software developers and delivered several key, highly-successful software projects including PROS (Payment Receipting Online System), NMSN (National Medical Support Notice), and MO-CHAMP (an Enrollment Broker system).

1998-2000   Director of Software Development

Primary responsibilities included managing PSI's software development team members, providing architecture for key internal projects, participating in select external engagements as architect or senior resource, and business development activities including proposal development and solution estimation. Among my accomplishments in this role are developing PSI's software development "pool" structure, and delivering key projects for PSI including Guidelines 2000 (a child support guidelines calculation system for Iowa's child support program), Forms 2000 (a document generation system for Iowa's child support program) and FACS / STAR (a document generation system for Iowa's child welfare program).

1989-1998   Software Developer / Senior Software Developer

Primary responsibilities included participating as resource or key resource on innumerable software development projects, including FACS II (an eligibility intake program written in Powerbuilder for the state of Oklahoma), Wyoming's POSSE (a statewide child support case tracking system), and OASIS (a child support case tracking system for use in the state of Nebraska).

Education

University of Colorado	1990-1991
Metropolitan State College of Denver	1988-1990

Publications & Presentations

Presentation: Real-World SOA: BPEL (OracleWorld, December 15, 2004)
Publication: BPEL to the Rescue: A Real World Account of SOA (Web Services Journal, July 2004)