

Darrell Wasill

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Innovative Engineering Leader with program management, product development and professional services expertise including over 18 years of experience in progressively more responsible positions in a variety of industries. Background ranges from the validation and quality assurance of software to the development and productization of mobile/embedded, commercial high-volume, communication, medical, automotive and defense products. A proven track record in utilizing creative approaches and the strategic application of technology to solve unique problems and increase efficiencies. Problem solver with outstanding analytical skills; strategic thinker; excellent communicator. Looking for a role to contribute a wealth of expertise toward a company's continued growth and performance.

Leadership & Technical Competencies

Program & Project Management	Software Development; Classic & Agile Methodologies	ISO/FDA/GMP/CMMI/6σ
System Development & Engineering	Computer & Mobile Devices; Wireless & Communications	SharePoint/MS Office
Employee Training and Mentoring	Offshore Resource & Project Management	Consumer Electronics
Budget, Schedule, Requirements	Leadership Assessment & Development	Defense Systems
Contract Creation & Negotiation	Cross-functional Team Building & Leadership	Telecommunications
Business Development	Product Lifecycle Management	Medical Devices
Computer-Aided Design	Technical Project Management	Quality Assurance
Productivity Management	Manufacturing Test Engineering	Performance Management
Recruitment & Staffing	High Volume Manufacturing	Test Engineering
Telematics	Resource Management	

Significant Accomplishments

- Lead the design, development, deployment and validation of a complete manufacturing test infrastructure to support the high volume (500k/month) offshore manufacture of a leading complex consumer electronics product. Recruited, staffed and lead the multi-disciplined effort leveraging local and off-shore resources; managed equipment budgets of > \$45M expensed through direct procurement, design services and assembly outsourcing. Launched production with first pass yields (FPY) in excess of 95%.
- Assigned the RFP response for my mid-sized consultancy employer's largest potential program in company history; Authored, pitched and won a beefed-up proposal that was quadruple the original responsibility, scope and dollar amount; Charged with the program execution, final delivery and integration; Lead and directed the efforts of over 100 managers and multi-disciplined local, off-shore and outsourced technical staff on the multi-million, multi-faceted program. Delivered initial working prototype hardware on new silicon in less than 6 weeks. Delivered the effort working with Sales, Business Development, Practice Area Managers, Legal and Executive staff while juggling scope changes throughout the program.
- Charged with management of all company software and hardware product development efforts leveraging a technical staff of over 35 embedded and application software engineers, systems engineers and testers; grew department staffing by over 60% in 9 months to accommodate a rapidly increasing project workload; managed the work activity on over 10 concurrent client (embedded) development and sustaining projects, 5 internal development initiatives, and constantly supported new proposal activities to expand our customer/client base.

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Career Highlights

Microsoft Corporation, Redmond, WA – 2010 - Present

Lead Program Manager, Microsoft Devices and Services

- Lead and manage multi-disciplined team defining, designing and deploying Manufacturing Test Equipment for new high-volume confidential hardware programs.
- Cross-team collaboration with product development groups (mechanical, electrical, software), reliability, system test & validation, NPI, Dfx, Quality and others to drive production test requirements, equipment and process definition.
- Multi-millions in equipment definition and deployment to support local lab development, and domestic and international high volume device production.

Senior Program Manager, Microsoft Interactive Entertainment Business

- Program Management of high volume development, manufacturing and test programs for Microsoft's Xbox platforms.
- Managed internal, external and offshore teams to develop manufacturing and testing hardware, software and processes for Microsoft's gaming platforms. Managed offshore manufacturing equipment, software, processes and vendors, deploying and supporting multi-million dollars in test equipment.
- Developed and maintained Statements of Work and legal agreements, authored RFQs and SOWs for subcontracted development and test initiatives.

BSquare, Bellevue, WA – 2008-2010

Lead Program Manager

- Lead Program Manager in BSquare's Professional Services Division instrumental in their award and subsequent execution of the program for the development and integration of "My Ford Touch", Ford's second generation SYNC Infotainment Platform. Charged with the program proposal, contract negotiation, program execution, final delivery and integration.
- Owner for all aspects of program from creation of all original proposals, through contract award, execution, integrated system delivery and customer management.
- Implemented and managed external SharePoint portal for internal, customer and 3rd party collaboration and directed setup of change management and issue tracking system.
- Oversaw development of embedded hardware, Microsoft Auto/WinCE based platform, middleware, applications, HMI, 3rd party interfaces, drivers and applications integration.
- Managed manufacturing transfer of hardware and mechanical designs to high-volume offshore manufacturers. Coordinated outsourced manufacturing test processes and coordinated deliveries to Contract Manufacturers.
- Prime System Integrator point of contact for Ford and all 3rd party application providers.

Airbiquity, Seattle, WA – 2006-2007

Director of Product Development

- Interfaced with external customers and business development at all levels to help broaden Airbiquity's customer base and market penetration. Communicated development progress at executive levels. Set strategic direction for development teams.
- Led engineering efforts around Airbiquity's in-band modem products which leverage cellular voice networks to enable vehicle telematics services, most notably OnStar and BMW, and data transmission for other product lines such as personal navigation devices.
- Managed work activity on over 10 concurrent client (embedded) development and sustaining projects, 5 internal development initiatives, and constantly supported new proposal activities to expand their customer/client base.

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- Reengineered legacy company business model from technology licensing based to a transactional service model vastly increasing company revenue potential on new deployments; subsequently landed the second largest contract award in company history leveraging the new model.
- Involved in all project aspects including marketing and customer acquisition, quotes and proposals, work statements and project initiation, project execution, delivery, sustaining and maintenance activities.

CoCo Communications, Seattle, WA – 2004-2006

Senior Program Manager

- Led and managed software and hardware development teams leveraging Agile development methodologies for a fast growing, small communications software company. Operated in the capacity of project manager, product manager, functional manager and customer liaison for the company's primary revenue government customer. Delivered multiple successive proof of concept projects to maintain a steady revenue stream while the company concentrated on non-revenue producing future product offerings.
- Conceptualized, designed and convinced management to fund a model train based system to test wireless network handoff; with an unprecedented repeatability the system helped to surface and isolate elusive code bugs drastically accelerating product readiness and quality. The resultant financial and opportunity savings easily exceeded a 100x return on investment.
- Developed and communicated project plans, timelines, and risks to people across multiple disciplines including executive levels. Set strategic direction for development teams.
- Managed multiple software development groups using XP (Extreme Programming) iterative development methods allowing short release cycle times, fast response to customer requirements and well tested robust code.
- Scoped, defined, and managed functional specifications for products, processes, infrastructures, and tools. Managed cross platform development projects in C++, C# and Python in WinXP, WinCE, Windows Server 2003 and Linux environments.

Ekos Corporation, Bothell, WA – 2004

Senior Test and Product Qualification Engineer

- Manufacturing Test design and implementation, for UL agency submission and testing. Prepared for and successfully executed UL's witnessed test program under EN 60601.
- Built fixtures, wrote protocols and test reports and performed testing for the Ekos product's system qualification and software validation. Documented and executed all software verification and validation activities for Ekos' internal and delivered software products.

Hewlett Packard Company, Bellevue, WA – 2000-2003

Program Manager and Manager Quality Assurance

- Directed design, development and deployment of a fully automated company-to-company software build transfer, deployment and test process improving test turnaround and quality feedback time by over 800%; the resultant system enabled testing of up to 4 complete pre-release operating system builds daily on over \$2M in IT servers and hardware allowing for broad platform coverage and exceptionally quick product quality feedback.
- Managed joint development projects and technical engagements between HP's server division and the Microsoft engineering community, acting as technical liaison between HP-Houston and Microsoft developers to identify, debug and track issues with operating systems, applications and HP drivers and software.
- Collaborated with cross-functional teams within HP and Microsoft to define, track and successfully deliver multiple concurrent projects.
- Assisted in the definition and program management of new technical initiatives of mutual interest to both Microsoft and HP. Explored areas where synergies could be gained by technical and developmental interaction in new emerging technologies and communicated findings to appropriate groups.

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Raytheon Systems Company, Tucson, AZ – 1999-2000

Integrated Product Team Lead/Sr. Electrical Engineering Lead

- Concurrently managed three cross-disciplined Special Test Equipment teams composed of electrical, mechanical, software and simulation engineers managing cost accounts in excess of \$5M; reduced missile system program costs by over \$1M (20%) and release schedule by 6 months by challenging test assumptions and eliminating needless historical testing; successfully proposed changes to the program's Department of Defense oversight committee; delivered the program meeting all compliance and certification requirements on schedule and under budget.

SeaMED (Plexus) Corporation, Bothell, WA – 1994-1999

Year 2000 Program Manager and Testing Engineer Manager, 1998-1999

- Responsible for Test Management and company's Y2K compliance project. Managed a staff of engineers to assess and remediate date related computer problems. Scope included the company's infrastructure, manufactured products and developed software.
- Charged with compliance testing and certification of company IT systems and previously contracted manufactured products for Y2K date related issues; formulated a team with in-house engineering resources to audit, test and educate previous customers and internal business groups; exhaustively identified, reviewed and reported on all systems setting expectations customers proactively notifying end-consumers where appropriate.

Manager, Test Engineering, 1995 – 1999

- Promoted to manager of a growing 6-member Test Engineering department; performed managerial duties including training development, employee evaluations, candidate recruiting, interview and selection; grew department technical staffing over 500% in less than three years.
- Re-engineered SeaMED's test fixture documentation process reducing turnaround time of drafted drawings from days to hours while meeting FDA guidelines for documentation.
- Facilitated and orchestrated multiple facility expansions, build out's and complete business relocations as my company went through massive growth; until backfilled with newly created positions wore multiple hats covering Business IT, Manufacturing and Test infrastructure deployments; managed IT infrastructure keeping pace with rapid technology advancements and expanded business requirements.
- Delivered 13 complex medical device manufacturing programs in 5 years; streamlined repetitive tasks through document automaton; templated common documents for quick utilization and release; mentored other engineers and subordinates to increase department efficiencies; consistently recognized as the engineering groups most productive team member.

Test Engineer / Network Administrator, 1994 – 1995

- Manufacturing Test design and implementation, under FDA-GMP and ISO 9001 guidelines, of medical electronic devices. Used a variety of low and high volume test approaches including manual testing, functional test automation, in-circuit and built in self-testing.

Education & Training

Masters of Business Administration, (coursework toward degree) University of Arizona, Tucson, AZ – 2000

Bachelor of Science, Electrical Engineering, University of Washington, Seattle, WA – 1993

Project Management Professional (PMP) – 2003

Microsoft Certified Systems Engineer (MCSE) – 1999

Professional Affiliations

Project Management Institute (PMI) Member

Washington Software Alliance Member

American Mensa Member