

Jeff Carver
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Manufacturing Engineer - Quality Engineer - Technical Writer

Versatile, experienced Manufacturing Engineer, Quality Engineer, and Technical Writer with extensive experience creating processes and documenting products for customer and support, and production fabrication and assembly in manufacturing environments. Investigate specific and systemic failures and drive to root cause. Strong technical skills in metal fabrication, machining, brazing, welding, diffusion bonding, vacuum and hydrogen furnace operations, heat treating, mechanical and electrical assembly processes. Create documentation that balances customer needs, R&D lab requirements, delivery processes, manufacturing requirements, and reduce costs.

Grass Valley Group (Technicolor), Nevada City, CA 2008-2010

Product Line Quality Manager

Review failure data from Customer Service, Engineering, Production, Sales, and Test to isolate defect trends and achieve solutions. Prioritize hardware quality issues within the business line and drive root cause and corrective actions. Provide visibility of quality concerns across all organizations. Assure adequate visibility of aging bug issues to software engineering. Review all project documentation for compliance with established business processes. Review and approve all engineering changes. Assist supplier quality with resolving supplier quality issues. Evaluate DOA products from contract manufacturers. Assess new project components, assemblies, and processes for long term reliability risks.

Hewlett Packard, Roseville, CA 1999-2008

Engineering Program Manager (2003 - 2008)

Responsibility for LAN/SAN, WAN, & clustering product documentation deliverables for I/O products and servers for HP Business Critical Systems. Overall release management and information roadmap responsibility for researching and planning new deliverables to a variety of audiences and working with R&D, marketing, support, and manufacturing partners. Review deliverables and ensure consistency across multiple products and assuring information is easily accessible to customers. Plan, coordinate and manage outsourcing. Manage projects of diverse complexity and scope simultaneously with independent judgment using great communication and relationship skills, and a broad technical knowledge of HP-UX I/O technologies.

- Reduced documentation CD production time by 75% by eliminating processing bottleneck that overlapped into manufacturing production pilot schedule.

Learning Products Engineer (2001 - 2003)

Design, develop, and implement user focused documentation using technical communication principles, task orientation, reader navigational aids, and structured documentation techniques. Use technical expertise and knowledge of audience to research, design, and organize information for complex information into user friendly documents. Manage and interface with cross-functional areas including marketing, test, support, manufacturing, and labs in multiple international locations. Products documented include AAA server, OL*, APA, Fibre Channel, InfiniBand, RAID, and Combination I/O cards for HP-UX.

- Initiated and created HP-UX IO card Support Matrix to provide justification for customers to upgrade to HP-UX 11i v3 from previous versions and negotiated with Marketing and Support management to consolidate multiple IO Card Support Matrices to a single one owned by documentation.

Aerojet, Sacramento, CA 1986 - 1999

Process Engineer (1998-1999)

Represented Quality Control and Manufacturing Engineering to perform DFx of sheet metal and welded products and analyze, evaluate, and solve technical problems during production.

- Created process documentation system shortening review cycle by over 75%.
- Improved integrity and reliability of a high temperature hydrogen brazing furnace allowing fivefold increase in production.
- Expanded manufacturing capabilities for building precision components and assemblies by developing new processes that accommodate increased manufacturing rates.

Senior Manufacturing Engineer (1986-1998)

Provided technical direction, coordination, resource planning, analyze processes, evaluate and solve technical manufacturing problems, evaluate facilities, processes, materials, and tooling.

- Lead Total Quality Management team to consolidate multiple documentation production process methods into a single ISO 9000 compliant system.

Additional Professional Experience

Garrett Pneumatics Systems, Tempe, AZ (Honeywell) **Manufacturing Project Engineer**

Producibility analysis of weld and machining designs, investigate problems, provide creative solutions to shop problems.

- Create critical helium leak path component testing equipment, procedures, and criteria for small high speed precision parts and assemblies vulnerable to testing damage and wear.

Boeing Aerospace Company, Kent, WA **Senior Manufacturing Engineer**

Created detail and assembly process instructions, standardized design and manufacture of sheet metal assemblies and welded components, solved production problems, performed DFx.

- Developed innovative approach to machining thick, curved conical segments.

Education

BS, Aeronautical/Mechanical Engineering - University of California, Davis

Professional Development

Lean Sigma Green Belt, Rapid Assessment and Recovery of Troubled Projects, Project Management, Geometric Dimensioning and Tolerancing, AWS QC1 Weld Inspection, Certified Statistical Process Control, Unigraphics, ANSI Y14.5, ISO 9000, Six Sigma, Fundamentals of Linux & HP-UX, HP InfiniBand Technology, Law & Preventive Writing, Information Mapping.

Technical Proficiencies

Microsoft suite of applications including Word, Excel, Access, PowerPoint, Project, Outlook, and FrontPage. FrameMaker +SGML, Epic Arbortext, Vasont, SAP, Visio, Illustrator, Acrobat Distiller, Photoshop, Interleaf, Concentra, SnagIt, Unigraphics, flowcharting, AutoCAD, Dreamweaver.