

Douglas Graves

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Summary

An Industrial Engineer (IE) who thrives in a dynamic and challenging manufacturing environment. Proven track record of results using cutting edge systems and processes toward exceeding expectations in Return on Investment, Delivery, Quality, and Cost Reduction.

- **Manager**
- **Project Manager**
- **Outsourcing**
- **Interpersonal Skills**
- **Mentor**
- **Process Improvement**
- **Cross-functional Teams**
- **Problem Solver**
- **Capacity Planner**

Professional Experience

Industrial Engineering Supervisor

Boeing, Everett, WA

2003-2004

- Managed the redesign of a manufacturing shop floor using CAD, which increased workflow by 25%, and reduced work related accidents by 47%.
- Managed a cross-functional team (IE, Planning, Engineering, Quality Assurance, Manufacturing, Tooling, etc.) which implemented Lean Manufacturing and Six Sigma to enhance production.
- Managed the implementation of a Kanban system with improved workflow by 35%.
- Received 3 Outstanding Achievement Awards and Recognitions, including one presented by the Vice President over Manufacturing Operations.

Lead Industrial Engineer

Boeing, Everett, WA

1999-2003

- Saved the company over \$10 Million in costly tooling through effective capacity and resource planning.
- Developed from scratch a Standards and Tool Crib (significantly under budget and ahead of schedule), increasing overall parts/tool acquisition efficiency by 300%.
- Led Material Requirements Planning (MRP) implementation as the site key user; tested the new software, designed curriculum, and organized, scheduled and implemented training of 40 IE's toward an unprecedented and seamless (no downtime) and on-time implementation.
- Successfully led and trained 11 Industrial Engineers, assessing skills and assigning to appropriate responsibilities.
- Received 5 Outstanding Achievement Awards and Recognitions.

Industrial Engineer (Outsourcing)

Boeing, Everett, WA

1995-1997

- Negotiated contracts with Boeing subsidiaries and outside suppliers toward outsourcing assembly work, successfully creating core competencies.
- Transferred all responsibility for the 767 forward landing gear to BF Goodrich, including complete analysis of a 4000 part bill of material, resulting in 100% on-time deliver of first unit.
- Conducted a precedent-setting work transfer of 200 minor subassemblies to a sheltered workshop to train the disabled, which set the standard for many successful follow-on transfers.

- Managed the transfer all materials for an entire production control area (350,000 part numbers) to a remote site, resulting in 100% on-time delivery and full production under budget and ahead of schedule.
- Received 6 Outstanding Achievement Awards and Recognitions.

Industrial Engineer (Methods Analysis)

Boeing, Everett, WA

1993-1995

- Development of a low-cost tool, which eliminated a chronic behind-schedule condition on a major sub-assembly. The new tool created 100% schedule recovery within 30 days of installation.
- Led a statistical process control project, which witch enabled the implementation of a Just-in Time system which became the standard for many other implementations throughout the business unit.
- Revamped the tracking process for all parts in the paint shop, which increased parts accountability by over 40%, and reduced rework by 60%.
- Received 11 Outstanding Achievement Awards and Recognitions.

Education

Bachelor's Degree, Industrial Engineering

Purdue University

Professional Training

- Statistical Process Control (120-hour course): Boeing Sponsored
- APICS Certification: Boeing Sponsored
- MRP training (Boeing sponsored): became site key user toward leading site to precedent-setting implementation.