



Victor Boyd

Principal Industrial Engineer

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SUMMARY

Accomplished Principal Industrial Engineer with over 10 years of experience in microelectronics and manufacturing processes. Demonstrated expertise in improving production efficiency and implementing innovative engineering solutions. Proven leadership in guiding cross-functional teams through complex technical challenges, fostering collaboration to enhance product development. Committed to leveraging engineering principles to achieve operational excellence and drive business growth. Known for acting as a Subject Matter Expert in microelectronics packaging, facilitating the adoption of new manufacturing technologies, and optimizing workflows, all focused on delivering substantial improvements in quality and performance.

EXPERIENCE

Principal Industrial Engineer

Tech Innovators Inc. 📅 January 2021 - Present 📍 Cedar Rapids, IA

Leading efforts in technical support for the microelectronics packaging team, enhancing product flow efficiencies and manufacturing processes. Engaging deeply with interdepartmental projects to fulfill expansive goals in manufacturing operations.

- Cultivated partnerships across departments to refine manufacturing strategies and boost productivity.
- Guided introduction efforts for new products with thorough Design for Manufacturing analyses, ensuring alignment with operational capabilities.
- Data-driven assessment of production trends enabled identification of impactful process enhancements, fostering significant efficiency gains.
- Worked alongside design engineers to improve manufacturability by addressing technical hurdles swiftly and effectively.
- Conducted in-depth capacity and capability analysis that established clear benchmarks, enhancing overall workflow management.
- Served as a Subject Matter Expert in microelectronics, offering critical insights into relevant processes and materials.

Senior Industrial Engineer

Electronics Solutions Corp. 📅 June 2016 - December 2020 📍 Iowa City, IA

Oversaw key engineering projects with an emphasis on optimizing workflows within microelectronics, focusing heavily on resource allocation and performance metrics.

- Implemented comprehensive methodologies aimed at introducing cutting-edge manufacturing technologies, driving significant increases in output.
- Pioneered initiatives rooted in Lean and Six Sigma practices that led to reduced costs and streamlined inventory processes.
- Offered training programs for personnel to ensure proficiency in advanced manufacturing methodologies and system tools.
- Engaged diverse teams in continuous improvement projects which reinforced alignment between engineering outputs and corporate predicaments.
- Executed evaluations of operational procedures that resulted in measurable reductions in lead time and enhanced service levels.

Industrial Engineer

Future Tech Manufacturing 📅 March 2012 - May 2016 📍 Cedar Rapids, IA

Supported production logistics in microelectronics through targeted analyses and strategic implementations of efficient manufacturing solutions.

- Streamlined plant operations by assessing workflow patterns and innovating practical engineering solutions.
- Contributed substantially to equipment specifications and procurement processes, aligning machinery with functional demands.

STRENGTHS

👥 Cross-Functional Leadership

Facilitated synergy among diverse teams, significantly improving project completion rates and satisfaction.

💡 Analytical Problem-Solving

Developed data-centric approaches yielding solutions that transformed inefficient processes into streamlined operations.

⚙️ Technical Expertise

Deep understanding of microelectronics resulted in increasingly sophisticated production techniques and material applications.

🎓 Training & Mentorship

Led training workshops that empowered colleagues with updated skills and fostered a culture of continuous learning.

♥️ Innovation Drive

Championed innovative practices, advocating for cross-utilization of pioneering technologies in manufacturing.

SKILLS

Microelectronics Manufacturing

Process Improvement

Data Analysis Lean Manufacturing

Project Management

Cross-Functional Collaboration

Technical Leadership

Manufacturing Operations

Capacities Assessment

Material Optimization

Equipment Specifications

Training Development

Stakeholder Engagement

Workflow Innovations

Product Development

Industry Standards Navigation

LANGUAGES

English Native

Spanish Intermediate

MY CAREER



Principal Industrial Engineer at Tech Innovators Inc. (5.6 Years)

Senior Industrial Engineer at Electronics Solutions Corp. (4.5 Years)

Industrial Engineer at Future Tech Manufacturing (4.2 Years)

- Developed process documentation and educational resources, empowering manpower with crucial operational knowledge.
- Collaborated on cross-departmental design standards aimed to fortify manufacturing quality measures.
- Applied sound engineering temperance to resolve encountered operational roadblocks, thereby improving product integrity.
- Maintained ongoing adherence to industry advancements which informed competitive decisions within production functions.

LEADERSHIP & AWARDS

- Recognized Employee of the Month for excellence in operational improvements.
- Awarded company grant for innovation in microelectronics technology enhancement.

EDUCATION

Bachelor's Degree in Industrial Engineering

University of Iowa 🎓 GPA: 3.8 📅 2012 📍 Iowa City, IA

Coursework: Thermodynamics, Materials Science, Manufacturing Systems, Quality Control

CERTIFICATIONS

- Lean Six Sigma Green Belt 📅 2018
- Certified Quality Engineer (CQE) 📅 2019

TECHNICAL SKILLS

- **Manufacturing Technologies:** Robotics, CAD, Simulation Software
- **Statistical Analysis Tools:** Minitab, MATLAB, Python
- **Process Improvement Techniques:** Six Sigma, Lean Principles, Kaizen
- **Quality Management Systems:** ISO 9001, SPC, TQM
- **Project Management Software:** Microsoft Project, Trello, JIRA
- **Communication Platforms:** Slack, Microsoft Teams, Zoom
- **Manufacturing Equipment:** Pick and Place Machines, Soldering Stations, CNC Machines
- **Data Visualization Tools:** Tableau, Power BI, Google Analytics
- **ERP Systems:** SAP ERP, Oracle NetSuite, Microsoft Dynamics
- **Prototyping Tools:** SolidWorks, Autodesk Inventor, Pro/ENGINEER

PROFESSIONAL AFFILIATIONS

- Member of the Institute of Industrial Engineers.
- Active participant in local engineering mentorship programs.

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST