

Elijah Orozco

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SUMMARY

Experienced Engineering Manager with over 7 years in mechanical engineering; strong background in R&D and product development. Proven track record leading cross-functional teams to innovate and enhance manufacturing processes. Known for mentoring and developing engineering talent while maintaining a hands-on presence in both development and production environments. Successful in driving product initiatives, resulting in increased revenue and operational efficiency. Skillful at fostering collaborative environments that encourage creativity and continuous improvement throughout various stages of product lifecycle. Passionate about utilizing engineering expertise to create impactful solutions within a dynamic team setting.

EXPERIENCE

Engineering Manager

January 2020 - Present

Tech Solutions Group

Naperville, IL

Lead engineering operations overseeing product development and continuous improvement efforts. Manage a team fostering innovation in advanced manufacturing systems, significantly boosting operational efficiency.

- Spearheaded a new product line contributing to a notable increase in revenue during its first year.
- Collaborated closely with multidisciplinary teams to design and validate products against industry benchmarks.
- Mentored junior engineers, embedding a culture of learning and professional development through structured training.
- Promoted agile methodologies, resulting in a streamlined product development process that saved significant time.
- Maintained active involvement across critical phases from design to production, enhancing team coordination.
- Implemented process enhancements that reduced overall time-to-market for new product introductions.

Senior Mechanical Engineer

June 2016 - December 2019

Innovative Manufacturing Inc.

Schaumburg, IL

Directed R&D projects focused on custom mechanical solutions aimed at optimizing production efficiency and reducing costs.

- Led projects that achieved substantial cost savings and improved quality through strategic redesigns.
- Advocated for innovative approaches, encouraging team members to propose enhancements to existing products.
- Conducted testing and validation processes ensuring compliance with quality assurance standards.
- Streamlined interdepartmental coordination with production to refine workflows and elevate output rates.
- Facilitated workshops for skill development, reinforcing knowledge sharing within the engineering group.
- Applied simulation tools effectively towards creating designs for complex mechanical components.

Mechanical Engineer

July 2014 - May 2016

Engineering Dynamics

Aurora, IL

Executed design specifications for mechanical components crucial to successful project outcomes, supporting the transition to lean manufacturing principles.

- Engaged in comprehensive design review meetings to align product objectives and methodologies.
- Contributed to waste reduction initiatives that maximized productivity and sustained quality controls.
- Diligently supported the integration of feedback loops into ongoing project workflows to enhance designs.
- Assisted senior staff in project oversight, enriching skills applicable to project management scenarios.
- Demonstrated commitment to professional growth through consistent participation in relevant training programs.
- Collaborated with diverse teams to strategize innovative solutions responding to engineering hurdles.

LEADERSHIP & AWARDS

- Pioneered a safety initiative recognized by management for exemplary contributions to workplace conditions.
- Recipient of the Team Excellence Award for outstanding collaboration and delivery on key engineering projects.

EDUCATION

Bachelor of Science in Mechanical Engineering

2014

University of Illinois at Chicago GPA: 3.5

Chicago, IL

Coursework: Thermodynamics, Machine Design, Fluid Mechanics, Materials Science

CERTIFICATIONS

- Certified Lean Six Sigma Green Belt 📅 2021
- Project Management Professional (PMP) 📅 2022

TECHNICAL SKILLS

- **Engineering Software:** AutoCAD, SolidWorks, MATLAB
- **Project Management Tools:** Trello, Asana, Microsoft Project
- **Simulation Tools:** ANSYS, COMSOL, Simulink
- **Manufacturing Standards:** ISO 9001, ASME Standards, Lean Principles
- **Testing Methods:** Prototype Testing, Reliability Engineering, Failure Analysis
- **Industry Regulations:** OSHA Compliance, ANSI Standards, Environmental Regulations
- **Hardware Technologies:** PLC Programming, Robotics, Pneumatics
- **Communication Platforms:** Slack, Microsoft Teams, Zoom
- **Data Analysis Tools:** Excel, Minitab, SPSS
- **Methodologies:** Design Thinking, Continuous Improvement, Kaizen

SKILLS

- Product Development
- R&D Management
- Cross-Functional Leadership
- Process Improvement
- CAD Design
- Team Mentorship
- Lean Manufacturing
- Agile Methodologies
- Testing & Validation
- Collaboration Techniques
- Design Specifications
- Mechanical Systems
- Risk Management
- Quality Assurance
- Continuous Improvement

PROFESSIONAL AFFILIATIONS

- Member of the American Society of Mechanical Engineers, actively participating in local chapter events.
- Engaged in community outreach programs promoting STEM education among underrepresented youth.

LANGUAGES

- English (Native)
- Spanish (Proficient)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST