

# Luka Berg

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## SUMMARY

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Mechanical Engineering Manager with over seven years leading the design of electro-mechanical products. Committed to fostering growth within engineering teams while delivering high-quality solutions on time and within budget. Proven track record in integrating innovative ideas into product architecture through collaboration. Strong capability in optimizing processes for maximum efficiency and adherence to industry standards. Enthusiastic about building partnerships across departments, ensuring seamless cross-functional integration that supports core business goals.

## EXPERIENCE

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### Mechanical Engineering Manager

January 2021 - Present

Dynamic Engineering Solutions

*Chicago, IL*

Managed mechanical engineering operations, overseeing diverse teams focused on designing electro-mechanical systems. Direct accountability for project execution aligned with organizational objectives. Facilitated collaboration among engineering teams, ensuring compliance with performance specifications and regulatory standards.

- Provided mentorship to engineers, enhancing skills and project delivery results.
- Oversaw project planning, aligning resources and schedules with strategic goals.
- Collaborated with product management and electrical engineering to improve designs.
- Reviewed engineering specifications and prototypes for system effectiveness.
- Implemented process improvements, significantly reducing material waste.
- Cultivated strong interdepartmental communication for technical issue resolution.

### Senior Mechanical Engineer

March 2018 - December 2020

Tech Innovations Group

*Peoria, IL*

Executed the design and development of integral mechanical components for network products. Leadership in project management optimized team outcomes and ensured alignment with company objectives, all within stringent timelines and budgets.

- Led design initiatives improving product reliability and market readiness.
- Designed project scopes, ensuring timely delivery with strict quality standards.
- Facilitated training sessions for junior engineers promoting a learning culture.
- Collaborated with multi-disciplinary teams on design challenges.
- Championed new software tools boosting design accuracy and productivity.
- Instituted documentation protocols enhancing standard compliance.

### Mechanical Engineer

June 2016 - February 2018

Advanced Systems Corporation

*Naperville, IL*

Developed mechanical systems within telecommunication infrastructures, impacting overall design quality and functionality positively. Focused on cost-efficiency in production processes through effective engineering strategies.

- Engineered prototypes facilitating successful product launches.
- Streamlined production workflows, balancing cost reductions with quality standards.
- Utilized CAD software extensively to optimize part designs.
- Engaged in strategic alignment meetings to meet marketing needs.
- Developed manuals and technical literature to support user clarity.
- Influenced best practices in mechanical design throughout the organization.

## LEADERSHIP & AWARDS

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- Received 'Engineering Excellence Award' for contributions to innovative product designs.
- Recognized as 'Employee of the Month' for outstanding teamwork and project success.

## EDUCATION

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### Master's Degree in Mechanical Engineering

2016

University of Illinois GPA: 3.8

*Champaign, IL*

**Coursework:** Design principles, Thermal systems, Control systems, Robotics

## CERTIFICATIONS

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- Certified Professional Engineer (PE) 📅 2020
- Engineering Management Certification 📅 2018

## TECHNICAL SKILLS

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- **CAD Software:** AutoCAD, SolidWorks, CATIA
- **Project Management Tools:** MS Project, Trello, Asana
- **Manufacturing Technologies:** Injection Molding, CNC Machining, 3D Printing
- **Materials Science:** Plastics, Metals, Composites
- **Statistical Analysis:** SPSS, Minitab, Excel
- **Prototyping Techniques:** Rapid Prototyping, Testing Protocols, Quality Checks
- **Regulatory Standards:** ISO 9001, ISO 14001, CE Marking
- **Electronics Design:** PCB Design, Circuit Simulation, Signal Processing
- **System Integration:** Embedded Systems, Networks, Controls
- **Collaboration Platforms:** Slack, Microsoft Teams, Zoom

## SKILLS

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- Mechanical Design
- Project Management
- Team Leadership
- CAD Software
- Process Optimization
- Cross-Functional Collaboration
- Compliance Standards
- Product Development
- Strategic Planning
- Budget Management
- Technical Documentation
- Prototyping
- Quality Assurance
- Problem Solving
- Material Selection
- Manufacturing Processes

## PROFESSIONAL AFFILIATIONS

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- Member of ASME (American Society of Mechanical Engineers).
- Volunteer mentor at local STEM programs encouraging youth interest in engineering.

## LANGUAGES

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- English (Native)
- Spanish (Intermediate)

## ADDITIONAL INFORMATION

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

## REFERENCES

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AVAILABLE ON REQUEST