

Brandon Lewis

Industrial AI & Digital Transformation Consultant

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Nationality: US-American

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Lindau, Bayern



PROFESSIONAL SUMMARY

Industrial AI and Digital Transformation Consultant with 15+ years of experience spanning industrial automation, analytics, machine learning, and technical consulting.

Specialized in helping organizations improve operational performance through automation, data platforms, advanced analytics, and AI-enabled decision support systems. Experience across manufacturing, healthcare, financial services, and energy, with primary specialization in industrial operations and automation.

Combines hands-on implementation experience with strategic business analysis to help organizations identify opportunities, build business cases, align stakeholders, and successfully deliver technology initiatives that create measurable operational value.

SELECTED CONSULTING & TRANSFORMATION PORTFOLIO

Industrial IoT-Data Platform

Designed a reference architecture for integrating production, maintenance, and quality data into a unified operational intelligence platform.

Business Value:

- Improved operational visibility
- Reduced data silos
- Foundation for predictive analytics
- AI-ready manufacturing infrastructure

Predictive-Maintenance-Plattform

Developed a predictive maintenance solution using machine telemetry and machine learning models to estimate equipment health and remaining useful life.

Business Value:

- Reduced unplanned downtime
- Improved maintenance planning
- Increased asset utilization
- Data-driven reliability management

CORE COMPETENCIES

Consulting & Transformation

Digital Transformation, Operational Excellence, Business Process Improvement, Technology Assessment, Stakeholder Alignment, Change Management

AI & Analytics

Machine Learning, Generative AI, Predictive Analytics, Computer Vision, Data Science, Decision Support Systems

Industrial Operations

Industrial Automation, Industry 4.0, Smart Manufacturing, Predictive Maintenance, Quality Systems, Industrial IoT

Strategy & Delivery

Business Case Development, Solution Architecture, Cross-Functional Leadership, Program Delivery, Executive Communication

EDUCATION

University of Washington, Seattle, USA

MSc Information Management

September 2024 - August 2025

Concentrations: Consulting, Data Science, Product Management

Georgia Institute of Technology, Atlanta, USA

BSc Polymer & Fiber Engineering

August 2006 - December 2010

Concentrations: Materials for consumer goods, manufacturing, quality control

Minor: Chinese

Study abroad and engineering internship in Shanghai, China (2010)

AI-Powered Engineering Knowledge Assistant

Designed an AI-enabled knowledge platform supporting technical troubleshooting, documentation search, and engineering decision-making.

Business Value:

- Faster problem resolution
- Improved knowledge accessibility
- Reduced engineering search time
- Increased workforce productivity

PROFESSIONAL EXPERIENCE

Trinity Consultants, Seattle, USA — *Technical Lead Consultant*

Oktober 2024 - Dezember 2024

Led technical planning and solution strategy for an enterprise energy-management initiative supporting a pharmaceutical client.

- Developed implementation roadmaps supporting operational, financial, and sustainability objectives
- Facilitated alignment across operations, finance, sustainability, and compliance stakeholders
- Designed machine-learning-assisted invoice validation workflows to reduce manual effort and improve data quality
- Developed forecasting and planning frameworks supporting long-term operational decision-making

Denali Advanced Integration, Seattle, USA — *Industrial AI Solutions Engineer*

Januar 2023 - Juli 2024

Designed and delivered industrial AI, automation, and computer-vision solutions for manufacturing customers seeking operational improvements in quality, productivity, and reliability.

- Developed business cases and ROI analyses supporting automation investments ranging from \$500K to \$3M
- Guided customers through solution evaluation, technology selection, implementation planning, and deployment
- Coordinated multidisciplinary teams spanning software engineering, automation, procurement, installation, and commissioning
- Served as trusted technical advisor to engineering, operations, and executive stakeholders

Selected Engagements:

- Amazon Print-on-Demand quality inspection automation initiative
- Airbus computer-vision manufacturing quality validation system

Kauffman Hall, Seattle, USA — *Data Scientist, Healthcare Analytics*

April 2022 - Oktober 2022

Developed healthcare analytics solutions supporting hospital operations and financial management.

PROFESSIONAL DEVELOPMENT

Goethe Institute, Munich *Intensive German, B2-C1 Levels*

January 2026 - May 2026

Preparation for Goethe-Zertifikat C1, June 2026

30–40 hrs/week full-time study; Focus on workplace and technical competency in German

Independent Study, Data Science *MOOCs and non-profit consulting*

June 2017 - September 2018

Foundation for later professional development and applications of ML industrial automation solutions

INTERNATIONAL EXPERIENCE

Germany: Demonstration of industrial ML inspection solutions at Hannover Messe (2024)

Netherlands: 6-month project deployment, Vanderlande (2012)

China: Promotion from Engineering Intern to Foreign Intern Manager, Shanghai (2010)

TEACHING & COMMUNITY-BUILDING

- Founded and led Data Science Community of Practice, BlackRock (2019–2022)
- Data Science Instructor, Flatiron School (2018–2019)
- STEM Mentor for disadvantage students, STEAMTruck (2018)

LANGUAGES

English - native

German - C1 (Goethe-Zertifikat)

Spanish - C1

French, Chinese - B2

- Built distributed analytics pipelines using Databricks and PySpark
- Automated recurring reporting processes, generating approximately \$130K in annual productivity savings
- Identified and resolved critical data-quality issues impacting decision-making

BlackRock Financial Inc., Atlanta, USA — *Product Data Scientist*

September 2019 - Januar 2022

Supported enterprise automation and analytics initiatives through product development, stakeholder engagement, and data-driven decision support.

- Redesigned automation value-tracking methodology, increasing documented annual business impact from \$250K to over \$5M
- Built centralized reporting and analytics products supporting executive decision-making
- Improved AI chatbot performance through NLP-based behavioral analytics and user-satisfaction measurement
- Partnered with stakeholders across business and technology functions to prioritize automation initiatives
- Founded and led a Data Science Community of Practice with more than 100 members

Early Industrial Automation Experience

Delivered automation, machine vision, robotics, motion control, and industrial engineering solutions across manufacturing, logistics, medical device, and consumer-products industries.

Gibson Engineering, Bridgeport, USA — *Automation Sales Engineer*

Februar 2015 - Juni 2017

Emerson/Branson Ultrasonics, Danbury, USA — *Application Engineer*

Januar 2013 - Februar 2015

Vanderlande Industries, Atlanta, USA — *Project Engineer/Sales Engineer*

Juli 2011 - Januar 2013

REFERENCES

Mr. Mike Dieterich — Sustainability Lead bei Trinity Consultants.
mike@miked Dieterich.com

Mr. Justin Long — Director of Industrial Automation, Denali Advanced Integration.
jlong@denaliai.com

Mr. Reid Stevens — Account Executive, Denali Advanced Integration
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Mr. Tony Jones — Ehemaliger VP Process Automation, BlackRock Financial, Inc.
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