

Sezgin KAPLAN

Supply Chain Optimization Specialist | Operations Strategy Consultant | Business Analyst | Academic Instructor

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Professional Summary

Industrial Engineer with 15+ years of experience and a passion for transforming complex operations into scalable, efficient systems. Extensive background in consulting, training, and delivering strategic solutions in supply chain optimization, logistics, and operational planning. Blends deep analytical expertise with strong communication and leadership skills to support clients in process improvement, ERP implementation, and decision modeling. Seeking roles in consulting, corporate training, or strategy-focused operational leadership within growth-oriented organizations.

Core Competencies

- Operations & Supply Chain Optimization
 - Operations Research & Advanced Planning and Scheduling
 - ERP Deployment & Change Management
 - Executive Training & Corporate Learning
 - Mathematical Modeling & Simulation
 - Decision Support Systems & Strategic Planning
 - Business Analytics, Statistics & Data-Driven Strategy
 - Workshop Facilitation & Curriculum Development
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Professional Experience

Independent Consultant & Corporate Trainer

Self-employed, 2016 – Present

- Delivered training sessions and workshops on supply chain optimization, decision modeling for clients.
- Advised firms on process improvement, planning workflows, and operational analytics, leading to measurable efficiency gains.

Postdoctoral Fellow – Humanitarian Logistics, Robotics

Georgia Institute of Technology(1st ranked in IE), USA, 2014 – 2015

- Contributed to international research on emergency logistics systems and supply chain resilience.
- Provided insights on vehicle routing optimization under uncertainty for large-scale humanitarian operations.

Assistant Professor – Industrial Engineering

Turkish Air Force Academy, İstanbul, Türkiye, 2011 – 2016

- Delivered applied training in logistics, operations research, and systems thinking.
- Led research and consulting projects on optimization, supply chain, and planning systems.

- Served on strategic and academic boards and collaborated with government and industry stakeholders.

Production Planning Engineer (Major)

Turkish Air Force, Ankara, Türkiye, 2002 – 2008

- Managed strategic operations and planning for logistics and repair facilities (electronic and avionic systems).
 - Led ERP (HvBS-SAP Based) and quality system implementations that improved planning and procurement efficiency.
 - Trained staff in operations workflows and continuous improvement.
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Education

PhD, Engineering Management & Systems Engineering

Old Dominion University, USA – 2011

Thesis: Optimization Models for Aerial Refueling Scheduling Problems

MSc, Industrial Engineering

Gazi University, Turkey – 2007

Thesis: Multi-Criteria Evaluation in Air Defense Equipment Investment

MA, Economics

Hacettepe University, Turkey – 2004

BSc, Industrial Engineering (Full Scholarship)

Bilkent University, Turkey – 2000

Technical Skills

C++, Python, SQL, OPL CPLEX, Matlab, Simio, SPSS, Minitab, MS Excel, ERP Systems, MS Project, @Risk, TQM, Six Sigma, Kaizen, FMEA

Languages

- English (Fluent)
 - German (Intermediate)
 - French, Spanish, Arabic (Basic)
 - Turkish (Native)
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Certifications & Trainings

- Integrated Logistic Systems (2006)
 - Planning, Programming & Budgeting (2005)
 - Total Quality Management (2004)
 - Process Management (2008)
 - Academic Instructor Certification (2008)
 - Performance Management (2007)
 - Prompt Engineering for ChatGPT (2025)
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Publications & Research

Available on: [ResearchGate Profile](#)