

**Versatile Senior Executive | Strategic Partner** to leadership teams who draws upon an engineering mindset, coupled with a passion for learning, to transform underperforming operations into efficient and reliable operations in multinational environments. Cross-functional collaborator who develops and delivers new technology-based business solutions, systems, and products, while optimizing performance across manufacturing, engineering, IT, product management, sales, supply chain management, and program and project management. Committed to developing individuals and high-performing teams who fluidly engage technical and business audiences as well as the C-Suite to advance business objectives. Bilingual English and Spanish.

- **Building High-Performance Teams:** Enhanced the performance of matrixed teams of up to 1,200 engineers at Schlumberger. Spearheaded creation of a New Product Development PMO Group that streamlined processes and financial tools while improving new product development and accelerating new technology adoption. Built a world-class PMO team with 90% of Project Managers earning PMP credentials and Agile certification.
- **Optimizing PMO Productivity:** Steered projects in new product development, operational excellence, software implementation, and global optimization. Significantly improved PMO processes of a Corporate Engineering PMO at Schlumberger while managing projects with values as high as nine figures. Leveraged skills in program management to implement ERP systems and spread R&D across low-cost regions at iRobot.
- **Driving Product Development:** Successfully launched global products at Schlumberger with sales forecasted up to \$250M. Planned and led global product development processes at Pentair that generated \$100M in yearly revenues.
- **Growing Revenues and Lowering Costs:** At Symbiotic, played a critical role in meeting the needs of an anchor client, Walmart, and addressing a work backlog of \$5B through improved program management practices. Lowered annual software vendor costs at iRobot by as much as 10% by consolidating supplier work and negotiating rates.

## Leadership that Optimizes Business Performance and Champions Operational Excellence

- New Product Development (NPD) and Management
- Program and Portfolio Management
- Manufacturing and Operations Management
- Technology Partnership Development
- Supply Chain Management
- Vendor Selection and Management
- P&L Management | Finance | Cost Containment
- Business Data Analysis and Value Mapping
- Quality Assurance | Process Improvement
- Risk Management
- Cloud Computing | AI | ML | Robotics
- Software Development | System Implementations
- High-Performance Global Team Building
- Change Management | Business Transformation
- Kaizen | QMS
- Integrated Testing | Reliability Engineering

## Superior Leadership in PMO, Engineering, Data, Supply Chain, and Product Development

**iRobot**, Houston, TX (Remote), 2021 – 2024

### SENIOR DIRECTOR OF ENGINEERING OPERATIONS | CHIEF OF STAFF

Hired to improve communications, minimize waste, and utilize data to improve decision-making at this company that produces robotic vacuum cleaners and robotic mops. Promoted operational excellence throughout the R&D department. Leveraged skills in program management to support implementation of new ERP systems and lead strategic initiatives focused on spreading R&D across low-cost regions while keeping AI, Robot Operating Systems, and other AI Modeling, Innovation, and Machine Learning operations in the US.

- Championed operational excellence in the R&D function. Implemented a full OKR system, enhanced internal R&D communications, improved software and hardware, and optimized vendor selection and control. Established R&D and Agile operational excellence metrics for performance evaluation, continuous improvement, and business transformation.
- Improved vendor selection while lowering vendor costs. Cut vendor expenses by >\$3M while lowering annual software vendor costs by as much as 10% through supplier consolidation and rate negotiation. Selected vendors in areas including software engineering, machine learning, embedded design, mechanical engineering, packaging, electrical engineering, data analysis, some data science, and some AI development.

**Symbotic**, Houston, TX (Remote), 2020 – 2021

#### **DIRECTOR OF PROGRAM MANAGEMENT**

Brought in to standardize, implement, and improve PMO processes for the technical and nontechnical parts of a Corporate Engineering PMO of this company known for building and operating automated warehouse systems and robotic platforms. Directed a portfolio of critical advanced automation and robotic projects, including autonomous robot development, warehouse software deployments and upgrades, new structure design and configuration, break pack warehouse system, new prototype testing sites, and new technology deployment, including machine vision for a robotic mobile platform.

- Played a critical role in meeting the needs of an anchor client, Walmart and addressing a work backlog of \$5B created by a commitment to drive high-value robot development and help build Walmart's NA warehouse distribution centers.
- Enhanced the capabilities of Technical Program Managers. Drove development, implementation, and standardization of PMO processes and procedures, and policies including scheduling, risk, reporting, and dashboarding. Promoted and ensured adoption of Agile practices.
- Significantly improved project forecasting, scheduling, and management, as well as resource management while elevating on-time completion stats. Implemented scheduling best practices and established MS Project Online as a single source of truth. Trained all Project Managers and other key company personnel in schedule creation and management.
- Positioned the organization to effectively embrace change. Built an Organizational Change Management discipline to address corporate IT and business initiatives and enhance communication of changes in between Sales, Product Management, and Engineering via a structured process.
- Enhanced collaboration between hardware and software developers. Aligned company SDLC and new product development processes with hardware development across mechanical, electrical, software, and embedded controls functions.

**Schlumberger**, Houston, TX, 2015 – 2020

#### **PROJECT GOVERNANCE MANAGER** (2019 – 2020)

Promoted to set governance processes to manage EPC projects with values as high as \$250M for the world's largest offshore drilling company. Optimized controls in areas including cost, scheduling, scope, and quality while driving improvement in risk management, performance management, and operational excellence.

- Optimized PMO performance by overhauling global PMO processes, integrating new tools, transitioning to a modern PMO framework, implementing a global change control system, and providing training that enabled Schlumberger to provide the right product at the right time, while accurately predicting the impact in project cost, schedule, scope, delivery, and quality.
- Enhanced the performance of 1,200 engineers by qualifying and vetting proposed projects and determining budgets, based on project performance. Provided processes, training, dashboards, and reporting that enabled project participants to start, stop, or modify projects based on current project performance.

#### **MANAGER, NPD PROJECT MANAGEMENT AND OPERATIONS SYSTEMS MANAGER** (2015 – 2019)

Recruited to implement new products and new technology development lifecycles and facilitate their integration with current market offerings. Guided development and implementation of Program and Project Management processes and artifacts including scheduling, planning, risk, quality, and vendor management. Drove development of new products with vendors seeking new technologies and major drilling operators including Transocean, BP, Chevron, Diamond, Noble, and EnSCO. Responsibly managed \$75M budget aimed at attaining target segment sales of \$250M while guiding the efforts of 12 project and program managers.

- Spearheaded creation of a NPD PMO Group that streamlined processes and financial tools while enhancing new product development, accelerating new technology adoption, and facilitating software development and implementation. Introduced standard practices and optimized resources to achieve a record of 90% – 100% delivery on critical milestones while outpacing >75% of other company segments.
  - Built a world-class PMO team with 90% of Project Managers earning PMP credentials and Agile certification. Provided training in Project Management and Agile methodologies that made certification possible. Introduced new ways of working and created digital dashboards that accurately tracked individual and team performance.
  - Provided sound financial management. Cut expenses \$20M with portfolio management structures and software that aligned organizational and product line strategy with the product roadmap. Improved budget compliance from 50% to 95% by proactively identifying and managing risk.
  - Implemented new ways of working in the drilling division that positively impacted the performance and productivity of quoting, sales, service, and maintenance, while enabling a business model adjustment required to comply with Schlumberger's new business model.
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**Pentair**, Houston, TX, 2012 – 2015

### **PROGRAM MANAGER, NEW PRODUCT DEVELOPMENT**

Hired to optimize new product development at the industrial valves and automation division of this fluids flow control management company. Partnered with Finance, Supply Chain, Engineering, and Product Management teams to develop new products. Guided a multinational team of 12 managers and coordinators that implemented best practices in global product development. Planned and coordinated PMO activities to minimize risk, optimize resource utilization, and meet 90% of established milestones.

- Set the stage for continuing improvement in new product development. Designed the first fully standardized financial performance and deliverables control – New Product Development process, deployed globally across the Valves and Controls Business Unit.
- Boosted new product and technology development by deploying continuous improvement processes and implementing new portfolio and program practices. Planned and led global product development processes that generated \$100M in annual revenues.
- Effectively managed change on a global scale. Moved production lines to India from Europe and helped move HQ to Switzerland. Launched assembly facility in Saudi Arabia to increase in-country manufacturing and grow account revenues with the Kingdom of Saudi Arabia.
- Saved time and money. Reduced average time to market for new products by >60%. Delivered \$80M in savings in only one year by developing, implementing, and enforcing a Global Pricing List System.

**Career Notes:** (In reverse chronological order)

**CAE, Healthcare Quality Manager**

**PTC, Project Manager, Global Services Consulting**

**Teleflex, Inc, Program Manager, Marine Division**

**Fujitsu Ten, Program Manager**

**Foster Electric, Quality/Program Manager**

## Education and Select Certifications

**MPS, Artificial Intelligence**, Penn State University – Present

**MFin**, Penn State University

**MBA**, University of Texas at El Paso

**MS, Manufacturing Engineering**, University of Texas at El Paso

**BS, Mechanical and Industrial Engineering**, Tecnológico de Monterrey

Business Strategy and Competitive Advantage, Design Thinking Studies – Cornell

Sustainable Business Strategy, Disruptive Strategy, Business Strategy – Harvard Business School

Post Graduate Program in Artificial Intelligence and Machine Learning – University of Texas at Austin

Data Monetization Strategy – MIT

Certified: Six Sigma, Scrum Master, Change Manager, and Project Management Professional

## Industry Experience

Automated Warehouse Systems and Robotic Platforms | Household Robotics (Robotic Vacuum Cleaners) | Tier One Automotive Audio, Video, Navigation and Control Systems | Navigation, Electronic Gauges, Monitoring Equipment for Boats | CAD and PLM Product Lifecycle Management Software | Modeling and Simulation Technologies | Patient Simulators | Industrial Valves and Automation | Oil Field Services and Off Shore Drilling | Technology Consulting | Power Sports | Laboratory Equipment | Industrial Equipment

## Technical Acumen

Lean, Design for Six Sigma, Data Analysis and Visualization, Data Structures, Process Architecture, Python, Toyota Production Systems, Agile, Scrum, Machine Learning, Deep Learning