

# Garrett Wilson

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12+ years Industrial Engineering experience with expertise in software product deployment, semiconductor manufacturing solutions, and system integration. High performing leader skilled in back-end development and product ownership, with a talent for building highly productive teams and collaborating cross-functionally to drive product innovation and company growth.

## PROFESSIONAL EXPERIENCE

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### Sr. Applications Manager

Jan. 2025 – Jul. 2025

INFICON, Austin, TX

- Direct end-to-end development and deployment of a proprietary integrated application monitoring multiple semiconductor manufacturing environments, leading team coordination of complex system integrations and client-specific customizations.
- Design and implement core back-end architecture for multi manufacturing site application, deploying distributed Oracle data warehouse (Digital Twin) instances across each site and a consolidation layer that leverages existing API infrastructure providing flexible data reporting capabilities for the front-end application.
- Develop core product features including custom data visualization, user dashboards, and configurable alerts that establish the technical foundation for future company products.
- Implement agentic AI workflows for front-end development tasks, connecting repository management with Atlassian project tracking via MCP server to streamline development cycles and improve code delivery efficiency.
- Drive product strategy decisions by leveraging deep industrial engineering, supply chain, and semiconductor manufacturing expertise, resulting in enhanced product-market fit and improved customer satisfaction.
- Own product backlog management and sprint planning processes, ensuring efficient delivery of high-impact features while maintaining technical debt management and system performance optimization.

### Sr. Applications Engineer / Program Manager

Jun. 2019 – Jan. 2025

INFICON, Austin, TX

- Lead Program Manager for highest revenue clients in charge of new deployments for complex integrated applications based on existing manufacturing system infrastructure and client specific factory system environments.
- Built and led a team of 4 Client Engagement Engineers specializing in new application deployments in US, Europe, and Asia. Provided technical training and mentorship that resulted in successful project delivery and team member promotions.
- Managed project timelines and removed implementation barriers to achieve key milestones, while defining KPIs and OKRs to track team performance and database optimization.
- Established standardized deployment workflows with integrated BKM's and execution templates in Jira, achieving improved team efficiency and consistent deployment processes across INFICON's global operations.
- Secured new clients via successful product deployments and acquired new business from existing clients resulting in significant increases in NRE and subscription revenue.
- Designed and developed new product features for client-specific scheduling, dispatching, AMHS/AGV delivery, and reporting requirements, enabling successful deployments across diverse manufacturing environments.

### Sr. Supply Chain Specialist – Master Planning

Nov. 2018 – Jun. 2019

AMD, Austin, TX

- Strategic owner of Backend (Assembly and Test) processes driving capacity and forecast modeling for sourcing decisions, equipment CAPEX, supply planning for factory optimization, and risk management.
- Drove \$2.5 million increase in revenue, mitigating wafer supply issues, through build-ahead planning of assembly and test loadings within 8 weeks of JV contract year end.
- Formally recognized for leadership and cross collaboration efforts to initiate a more robust SLT forecast process to enable a streamlined process across CAPEX, Global Procurement, Engineering, and Supply Chain teams.

### Industrial / Systems Engineer II

Jul. 2015 – Nov. 2018

Samsung Austin Semiconductor, Austin, TX

- Manufacturing Device Owner over 14nm products requiring 100% on-time delivery, daily shipment planning in accordance with fluctuating demand, output forecasting to Samsung Sales Team, and DPML management.
- Achieved node and device output requirements through interdepartmental coordination for tool capacity requirements, bottleneck run rates, open path management, quality incident support, and site-wide communication of priorities and needs.
- Established, presented, and ensured successful execution of output recovery plans addressing factory throughput limitations, required movement, WIP balancing, and system scheduling priorities.
- Responsible for newly designed or re-designed system scheduling logic requiring post release analysis.
- Applied SQL / Spotfire expertise to build custom reports for fab-wide customers and executives to improve efficiency of data collection, engineering analysis, and strategic decision making.

**Manufacturing Process / Automation Engineer****Nov. 2013 – Jul. 2015**

Flex, Austin, TX

- Directly responsible over all laser processing for the Apple Mac Pro requiring extensive system automation design, customer collaboration, and project management skills.
- Proactively identified and resolved daily manufacturing issues by following a Lean Six Sigma (DMAIC) approach to ensure successful implementation and conservation of process control plans.
- Identified and/or implemented manufacturing system improvements that contribute to the achievement of throughput, yield, and product performance goals.

**Undergraduate Research – Center for High Performance Systems Lab****Feb. 2012 – Feb. 2013**

Texas State University, San Marcos, TX

- Designed, developed, and analyzed computer simulation models for logistics and supply chain applications.

**EDUCATION****Engineering, Industrial BS, *Cum Laude***, Texas State University - San Marcos, Texas**May 2013****ADDITIONAL**

- Professional Expertise: Project management, customer engagement, manufacturing scheduling systems, capacity planning, report building, personnel management, production planning, forecasting, system automation, data analysis, efficiency and productivity improvements, Lean Six Sigma, SPC, Kaizen, flow optimization, and simulation modeling.
- Technical Expertise: Oracle PL/SQL (8+ years), relational database design, Extract Transform & Load practices, source code change management, Windows application server management, Software Development Life Cycle, Atlassian, Confluence, Microsoft Power BI, TIBCO Spotfire, Advanced Excel (Macros, VBA), Simio, ProModel, and Arena.