

PAVAN PASUMARTHI

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SUMMARY

Senior Operations & Deployment Leader with 9+ years of experience driving large-scale automation and fulfillment initiatives across manufacturing and retail tech. Proven ability to lead complex change deployments across distributed systems — aligning software, hardware, and operations across 19+ sites. Self-taught in AI architecture and product workflows, with hands-on experience designing LLM-integrated tools for structured data logging, scheduling, and automation. Known for creating high-impact roles, building cross-functional coordination models, and translating technical complexity into scalable, real-world execution. Actively exploring next-gen robotics and AI-integrated operations roles in high-growth environments.

CURRENT EXPERTISE

Deployment Manager, Walmart Advanced Systems & Robotics (Alert Innovation) (Oct 2024 – Current)

- Created and championed this role to address systemic deployment inefficiencies across 19+ fulfillment sites — now a central function enabling scalable, cross-functional execution across software, hardware, and operations teams.
- Reduced the rollout duration for major system upgrades from 11 weeks to just 3 weeks, accelerating enterprise-wide adoption and improving time-to-value.
- Built a Slack-based automation system integrated with D365 and USPS to track shipment delivery and confirm site readiness in real time — eliminating re-shipment issues entirely.
- Developed and implemented structured issue logging protocols for deployment blockers and system frictions — designed as a clean training dataset for future LLM-based operational intelligence tooling.
- Unified quarterly and monthly planning across 8 software teams, 3 ops teams, 2 product teams, and 19 fulfillment sites using tools like Airtable, Jira, and MS Project.
- Manage and coach a team of 2 direct reports; built internal rhythms for execution reviews, prioritization, and coordination that improved deployment velocity and reduced escalations.

Staff Tech Operations Manager, Walmart Advanced Systems & Robotics (Alert Innovation) (Apr 2022 – Oct 2024)

- Led multiple Market Fulfillment Center (MFC) projects from site survey through automation acceptance, coordinating across construction, city inspectors, mechanical/electrical vendors, embedded systems, and IT teams.
- Reduced installation duration by 4 weeks per site, achieving \$1M in savings by iterating and refining deployment playbooks after each launch.
- Negotiated contractor change orders—cutting one from \$600K to \$300K using structured project data and analytical tracking throughout project lifecycle.
- Oversaw cross-discipline alignment during the commissioning phase, maintaining precise documentation and facilitating weekly coordination between technical and non-technical teams.
- Maintained a 50–75% travel cadence, operating as the on-site lead and mentoring junior engineers to successfully execute project goals across multiple geographies.

Program Manager Lead, WiTricity Corporation (Oct 2021 – Apr 2022)

- Created a phase-gate program management process for products at WiTricity (EV charging start up). Negotiated with all the department managers to buy-in to implement the new process.

Program Manager, Grupo Antolin (Tier 1 Automotive supplier) (July 2017 – Sep 2021)

- Successfully completed industrialization of BMW X series headliner production lines in a brand new plant.
- Responsible for the overall technical and financial health of the program – successfully managed multiple programs with different customers at the same time (BMW, Ford and Volvo).
- Completed PPAP with all 3 automotive customers successfully. Deeply knowledgeable with Line acceptance methodologies & industry standards.
- Project profitability targets were achieved successfully with the final projects launched capable of delivering margins more than 40-50 % of what was planned.

EDUCATION

- MS (Thesis) in Mechanical Engineering- Clemson University, Clemson, SC (May 2016)
- B.Tech in Mechanical Engineering- VIT University, India (May 2012)