JEREMY VAN DUSEN

Operations & Reliability Leadership | Maintenance & CMMS | Process Improvement | Technical Project Management | Industrial AI

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U.S. Army Veteran

PROFESSIONAL SUMMARY

Operations and reliability leader: U.S. Army combat engineer, 20+ year business owner, industrial engineering technician, reliability & CMMS lead, and now operations and reliability leadership at a commercial-scale manufacturing plant. Leads maintenance through a supervisor, runs daily cross-department coordination, plans major shutdowns, and built the plant's CMMS and critical-spares program. AI builder with domain authority.

AREAS OF EXPERTISE

Operations Management • Maintenance & Reliability Leadership • Leading Through Supervisors • Shutdown & Outage Planning • CMMS Deployment & Data Migration • Preventive / Predictive Maintenance • Critical Spares & MRO Inventory • CapEx Support & Spend Requests • Vendor & Service-Contract Management • Commissioning & Equipment Validation • Technical Project Management (MS Project) • Lean / 5S • P&L Leadership • AI Implementation

PROFESSIONAL EXPERIENCE

RWDC Industries — Commercial-Scale Bioplastics Manufacturing Plant, Athens, GA **Apr 2023 – Present**

Reliability & CMMS Lead

Progression: Electrical & Mechanical Engineering Technician → Reliability & CMMS Lead

Operations Leadership

- Leads plant maintenance through the Maintenance Supervisor — a crew of 12 technicians — setting priorities, workload, and reliability strategy; oversees the Facility Custodian's building upkeep, safety lighting, and inspections.
- Runs the maintenance side of the daily company-wide meeting (3.5+ years, unbroken); leads the weekly cross-department action-item review.
- Plans major shutdowns and outages end to end — timing, impacts, support, and day-of execution — including a plant-wide switchgear outage covering 83 panels.
- Supports plant leadership on CapEx, 5S, and monthly spend planning.
- Built the technician skills assessment (49 technicians, four levels, safety qualification, training cards) now used by all departments and HR; wrote the Management of Change procedure.

Maintenance, Reliability & CMMS

- Leads the plant-wide CMMS migration from a legacy system to a cloud platform: 485 assets under a new naming standard, 113 PM schedules, 6+ years of work-order history (1,441 work orders), 916 documents.
- Ran release-by-release acceptance testing of the new platform, catching four data limits that would have broken the migration; owns the CMMS, HVAC, and OEM parts vendor relationships.
- Built the critical-spares program — 672-part register, 82 critical parts, location coding — sourced replacements for parts losing OEM support, and is designing an automated spares system.

Projects, Commissioning & Engineering

- Designed and fabricated custom process equipment during build-out and validated it to production-ready during commissioning; selected by senior operations leadership to move from engineering into reliability.
- Managed two capital projects (6- and 3-month) end to end in Microsoft Project; helped lead the engineering-department restructuring.

Supreme Hot Rods, LLC — Athens, GA **Dec 2002 – Mar 2025**

Owner / Operator — Custom Fabrication & Restoration

- Founded and ran the business for 20+ years with full P&L — ~$1.2M peak annual revenue, a team of up to 32 (averaging ~23), led through supervisors and team leads.
- Owned the full people lifecycle — hiring, training, scheduling, performance management, promotions, and terminations — plus sales, marketing, and inventory; applied Lean and 5S to standardize workflows.
- Built the shop's own systems (servers, inventory, accounting, multi-channel order management) and led hands-on custom builds, fabrication, welding, 3-phase electrical, hydraulics, and pneumatics.

United States Army — Fort Polk, LA **May 1999 – Apr 2002**

Combat Engineer (12C), Squad Leader

- Led and developed a squad of up to 20 soldiers — training, performance evaluations, readiness, and equipment maintenance.
- Planned and executed missions under tight timelines, limited resources, and strict safety protocols; recognized for leading a record-setting training mission.

AI & SYSTEMS PORTFOLIO

- 26+ months building AI systems, including self-hosted setups and multi-project agent workspaces (Claude Code) with file-based memory, audit logs, and verify-before-use rules.
- Industrial IoT and data architecture (AI-assisted): SCADA historian integration, ERPNext, PostgreSQL / TimescaleDB, n8n, and MQTT.

EDUCATION

Lanier Technical College **Georgia**

- AAS, Business Management — Concentration: Human Resource Management (2010)
- AAS, Technical Studies — Concentration: Applied Technical Management (Performance Management) (2009)
- Diploma, Welding & Joining Technology (2008)
- Equivalent practical experience: 20+ years leading people and operations — business owner, plant leadership, Army squad leader

ADDITIONAL QUALIFICATIONS

Training: Forklift Certified • Confined Space • Arc Flash / Live Electrical Panel Training

In Progress: Lean Six Sigma Green Belt (Udemy)

Technology: CMMS platforms • SCADA / historian coordination • ERP integration • Microsoft 365 (Teams, Project, SharePoint) • Web / HTML / SEO