

# MEET SHAH

## Senior Production Engineer

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### Professional Summary

Instrumentation & Control Engineer with 6 years of progressive leadership experience across water treatment, gas automation, industrial manufacturing, control systems, and high-precision assembly operations. Adept at orchestrating complex production ecosystems through SAP/ERP intelligence, strategic material planning, Lean cell scheduling, and cross-functional coordination while elevating operational performance by engineering process flows.

Known for boosting production efficiency by 33%, reducing waste by 17% optimizing resource utilization, and achieving 96% on-time delivery through process optimization and digital workflow traceability.

### Key Skills

Production Planning & Control | Lean Manufacturing & Cell Optimization | Material & Inventory Management | Customer & Vendor Coordination | Inspection, FAT, Testing & Quality Compliance | SAP/ERP Operations | Documentation (Job Cards & Routine Cards) | Cost Reduction & Process Improvement

### Industry Experience

#### Production Engineer at Axis Solutions Ltd.

July 2022 – Present

- Led the complete production, planning, and dispatch of Chlorine, Turbidity, pH, Conductivity Analyzers and Dosing Systems supplied for the Jal Jeevan Mission, achieving seamless manufacturing flow, zero-delay execution, and flawless readiness of all water-quality monitoring units.
- Spearheaded end-to-end production operations across multiple departments from raw material allocation to final dispatch, ensuring SAP-driven accuracy achieving 20% elimination in material shortages and maintain uninterrupted workflow.
- Successfully led a 12-member technician/operator team through Lean-based cell planning, balanced workload distribution preparing daily job and routine cards, boosting overall production efficiency by 28%.
- Directed testing, inspection, FAT, and quality documentation for every assembly, achieving 98% defect-free approvals, preventing rework cycles, achieving full compliance during internal and client audits.
- Optimized material and inventory management through SAP/ERP automation, improving traceability, preventing stock mismatches, and achieving 17% reduction in material wastage and 96% on-time dispatch performance while cutting operational costs by 12%.
- Introduced an innovative product concept in the water division that simplified machinery assembly, reduced manufacturing cost by 15%, and improved production output compared to existing solutions.

#### Production Engineer at Brightech Valves and Controls Pvt. Ltd.

Mar 2022 – July 2022

- Engineered precision assembly and calibration workflows for high-spec instrumentation valves, driving a 22% throughput uplift while maintaining compliance to API and ASME standards.
- Orchestrated cross-functional commissioning and testing campaigns for Safety Relief Valves, SRVs and PRVs, eliminating 30% of troubleshooting time and delivering 98% defect-free output.
- Piloted SAP/ERP-integrated dispatch and material-tracking systems that improved on-time delivery to 96% and reduced material rejection by 17% across water and gas systems portfolios.

#### Automation Valve – Production, Assembly and Testing Engineer at Nutech Controls.

Jan 2021 – May 2022

- Directed and optimized the assembly, calibration, troubleshooting, and commissioning of automation valves, achieving a 24% increase in reliability across Safety Valves, SRVs, PRVs, and critical gas automation projects.
- Collaborated with engineering and construction teams to validate component readiness, eliminating assembly delays and improving alignment with technical specifications.
- Reviewed engineering drawings, vendor documents, and inspection sheets to ensure 100% compliance with instrumentation standards and project requirements.
- Boosted assembly throughput by 22% through workflow restructuring, optimized sequencing, and improved workstation efficiency.
- Reduced troubleshooting time by 30% through systematic fault-diagnosis methods, consistently delivering 98% defect-free assemblies across all customer projects.

## Projects

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### RFID STOCK MANAGEMENT

Mar 2020 – Aug 2020

- Implemented RFID-based tracking to automate stock visibility, enabling real-time monitoring of materials and eliminating manual entry errors.
- Streamlined inventory flow by integrating RFID tags with ERP/SAP systems, improving traceability, cycle counting speed, and replenishment accuracy.
- Enhanced warehouse efficiency through automated item scanning, faster identification of missing/incorrect stock, and reduced overall stock discrepancies.

## Technical Skills

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### Instrumentation & Automation:

Instrumentation Standards (ISA/IEC) | Calibration Tools | Automation Valves (SRV, PRV, Safety) | Field Commissioning | Troubleshooting | P&ID Interpretation | Loop Checking | Functional Testing

### Manufacturing Productivity & Systems:

Lean Principles | Cell Optimization | Workstation Layout Design | Takt Time Planning | Cycle Time Optimization | Assembly Line Efficiency

### Production Processes & Operations:

Workflow Sequencing | Pre-Commissioning | Quality Inspection | Testing Protocols | FAT Documentation | Material Flow Optimization | Traceability Systems | Final Dispatch Operations | SOP Development

### SAP / ERP & Digital Tools:

SAP MM/PP (Advanced) | ERP-Based Production Tracking | BOM Management | Inventory Accuracy Analysis | Stock Reconciliation | Digital Traceability | MS Excel (VLOOKUP, Pivot, Dash boarding) | MS Office

### Automotive & Industrial Components:

Sensors | Solenoid Valves | Pneumatic Systems | Hydraulic Systems | Gear Assemblies | Machined Components | Precision Parts | Mechatronic Sub-Assemblies

## Soft Skills and Cognitive Abilities

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Team Leadership | Task Allocation | Problem-Solving | Cross-Functional Coordination | Analytical Decision-Making | Client Communication | Audit Handling | Innovation & Process Thinking

## Education

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LJ University, Ahmedabad, Gujarat.

May 2015 - Aug 2020

B.E. Instrumentation & Control Engineering.