




# EMILY DAVID

## SENIOR MAINTENANCE MANAGER

### Contact

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### Career Objective

Resume Summary Strong attention to detail with a professional commitment to high quality deliverables, Strong verbal, and written communication with the ability to effectively critical details into actionable highlights. Including the ability to produce usable and maintainable documentation. Experience architecting and supporting highly available and highly scalable infrastructure. Passionate about new knowledge and innovation. Ability to grasp technical concepts quickly and apply that knowledge to Maintenance and Engineering efforts within the team. Knowledge in building distributed, highly available applications. Manage engineering team and maintain strategic and enablement platforms with a view to improving scalability, reliability, performance, and resilience. Ability to work at a high level of professionalism and quality.

### Experience

#### MAINTENANCE AND ENGINEERING MANAGER

Jul 2020 - Present

LOTT INCORPORATION — Texas

- Provides leadership and direction to the Maintenance and Engineering Team and inspire high performance through effective goal setting and performance measurement and oversees day-to-day activities of the Maintenance and Engineering Department Effectively coordinates, plans, and executes the Preventive Maintenance Program, and technologies to continually plan preventive maintenance activities
- Evaluate and adopt industry best practice maintenance strategies to remove barriers, reduce costs, repairs for urgent, Program Logical Control critical situations
- Track work order history and equipment status, monitor the maintenance organization's performance
- Review maintenance operation procedures to maintain compliance with OSHA, company policies, industry regulations and Coach, mentor the team
- Ability to make strong decisions.
- Provided technical guidance to junior technicians for carrying out repair works efficiently.
- Managed and coordinated maintenance engineering teams to ensure successful completion of projects on time and within budget.
- Managed and tracked spare parts inventory for all machinery.
- Maintained frequent interaction with senior management to measure goal achievement and determine areas of improvement.
- Maintained records of all repairs and replacements made to equipment.
- Utilized Computerized Maintenance Management System software for scheduling work orders and tracking

progress of tasks.

- Developed preventive maintenance schedules to ensure optimal performance of equipment.
- Established effective working relationships with vendors for procurement of parts, materials, tools and services at competitive prices.
- Identified operational process inefficiencies to recommend necessary improvements.
- Developed training programs for staff members focused on troubleshooting methods, repair processes and preventive maintenance strategies.
- Installed new machines according to manufacturer specifications and company requirements.
- Identified tools and methodologies for preventative and predictive maintenance downtime.
- Reviewed monthly financial results with partners to identify opportunities to improve profitability.
- Created detailed technical reports regarding maintenance activities and results, including cost savings initiatives.
- Identified potential problems with malfunctioning machinery and developed solutions to rectify them.
- Conducted tests on electrical circuits, motors, pumps and other related equipment.
- Conducted regular safety inspections of equipment and facilities to ensure compliance with applicable regulations.
- Resolved complex maintenance issues by applying problem-solving techniques such as Root Cause Analysis.
- Implemented continuous improvements to reduce downtime and increase productivity.
- Collaborated with cross-functional teams across departments to develop innovative solutions that improved system reliability, availability, maintainability and safety.
- Collaborated with other departments in order to improve existing processes and develop new ones.
- Inspected parts for wear or damage and replaced components as necessary.

## **MAINTENANCE LEAD**

**Aug 2019 - Jul 2020**

**BENJAMIN — Newark, NJ**

- Responsible for leading maintenance and reliability activities on manufacturing process equipment (extruders, mixers, conveyors, blowers, pelletizers, tanks, pumps, motors), HVAC equipment
- By assisting in the development and infrastructure of the maintenance team such as providing training and coaching
- Resolved conflicts between team members regarding job assignments or other issues in a professional manner.
- Performed routine maintenance on boilers, such as replacing burners and hoses, installing replacement parts and reinforcing structural weaknesses to ensure optimal boiler efficiency.
- Maintained accurate records of all maintenance activities and parts inventory.
- Maintained records of maintenance activities such as labor hours, materials used.
- Assisted in developing budgets for the maintenance department based on projected needs.
- Ordered parts, supplies, or equipment from catalogs or suppliers.
- Established work schedules, assigned tasks, set deadlines, evaluated performance, and ensured compliance with company policies and procedures.
- Repaired and maintained buildings, walls, arches and other structures.
- Conducted regular safety inspections to identify potential hazards and risks.

**MECHANICAL ENGINEER****Jul 2017 - Aug 2019**

ELAN CHEMICAL CO NJ

- Ability to install equipment, repair machinery and label machine
- Case packer machine troubleshoots the equipment, sensor, photo high
- Conveyor, run the wire line, relay, contact, Manage multiple Projects
- Simultaneously Budget Planning and development, install the Bradley
- Drive upgrade the equipment, Troubleshoot PIC, automation, Control
- Logic, motor drive, industrial equipment fundamentals including electrical
- Wiring electrical components, steam systems, water systems, hydraulics and building maintenance, HVAC
- Ability to read and interpret technical documents blueprints, wiring diagrams, ability to use basic hand tools properly and safely, OSHA safety.
- Investigated equipment failures and difficulties to diagnose faulty operation and recommend remedial actions.
- Designed and fabricated mechanical components for prototype development and research purposes.
- Participated in project teams to provide input on design concepts based on knowledge of fabrication processes.
- Recommended design modifications to eliminate machine and system malfunctions.
- Conferred with engineers or other personnel to implement operating procedures, resolve system malfunctions, or provide technical information.
- Evaluated, installed, operated and maintained mechanical products, equipment, systems, and processes to meet requirements.
- Provided technical support during installation and commissioning stages at customer sites.
- Implemented continuous improvement initiatives to production processes through equipment improvements and procedural changes.
- Tested and analyzed feasibility, design, operation and performance of equipment, components, and systems.
- Created technical reports and presentations explaining research, findings, and recommendations.
- Integrated mechanical and alternative systems, such as mechanical cooling systems with natural ventilation systems, to improve energy efficiency.

**MAINTENANCE ENGINEER LEAD****May 2016 - May 2017**

ADM COOPERATION NJ

- Ability to install equipment, repair machinery and label machine
- Case packer machine troubleshoots the equipment, sensor, photo high
- Conveyor, run the wire line, relay, contact, Manage multiple Projects
- Simultaneously Budget Planning and development, install the Bradley
- Drive upgrade the equipment, Troubleshoot PIC, automation, Control
- Logic, motor drive, industrial equipment fundamentals including electrical
- Wiring electrical components steam systems, water systems, hydraulics and building maintenance, HVAC
- Ability to read and interpret technical documents blueprints, wiring
- Diagrams, ability to use basic hand tools properly and safely, OSHA safety.
- Monitored inventory levels of spare parts in order to ensure timely availability of components when needed.

- Performed preventive maintenance, troubleshooting and repairs of production machinery and equipment.
- Installed new machines according to manufacturer specifications and company requirements.
- Inspected used parts to determine changes in dimensional requirements, using rules, calipers, micrometers, and other measuring instruments.
- Set up and operated machine tools to repair and fabricate machine parts, jigs, fixtures, and tools.
- Performed routine maintenance, such as inspecting drives, motors, and belts, checking fluid levels, replacing filters, and doing other preventive maintenance actions.
- Maintained and repaired specialized equipment and machinery located in cafeterias, laundries, hospitals, stores, offices, and factories.

## **SENIOR MAINTENANCE MECHANIC**

**Mar 2015 - May 2016**

### **ALL AMERICAN POLY PACKAGING**

- Ability to interpret and refine package testing procedures, troubleshooting, control method, mechanical schematic diagrams, implementation, grinder, drive motor and , retrieve activity log information to motion, cylinder maintenance
- Ability to use the tools, surface plate equipment, separator machine, tape set up on machine and separator machine
- Troubleshoot, diagnose and repair high equipment, technician and maintenance
- Ability to use maintenance and repair machine, manufacturing product, schematics, used test equipment and repaired to the component level, grinder, shaft and set up the caliber ate Repaired and maintenance various types of machine, tag out and log out
- Troubleshoot control system logic errors by reviewing ladder diagrams and sequence charts created by automation engineers.
- Installed equipment to improve energy and operational efficiency of residential and commercial buildings.
- Diagnosed mechanical problems and determined how to correct, checking blueprints, repair manuals, and parts catalogs, as necessary.

## **MAINTENANCE ENGINEER SUPERVISOR**

**Mar 2010 - Feb 2015**

### **BRITISH AMERICAN TOBACCO**

- Ability to develop motor control method, blower, mechanical schematic diagrams
- Computer maintenance management and hydraulics, run piping line
- Installation roller and fixed, Snub roller adjustment
- Ability to use the tools, surface plate equipment, supervise maintenance department
- Interpret blueprint, diagnose and repair high equipment, technician and maintenance
- Ability to use maintenance and repair manufacturing product machine, schematics, used test equipment and repaired electronics to the component level
- Repaired and maintenance various types of machine
- Maintenance department, including personnel, purchasing, machinery repair, preventive
- Performed skilled repair and maintenance operations, used equipment such as hand and power tools, hydraulic presses, and shears and welding equipment.
- Monitored performance metrics on equipment such as uptime rates and mean time between failures.
- Performed root cause analysis to identify problems with production machinery and developed solutions for improvement.

- Monitored tool and part inventories and condition and maintenance of shops to provide adequate working conditions.
- Resolved complex maintenance issues by applying problem-solving techniques such as Root Cause Analysis.
- Investigated accidents and injuries and prepared reports of findings.
- Conducted lifecycle analysis on electrical and control system equipment to generate EOL and obsolescence plans.
- Reviewed engineering drawings prior to implementation in order to ensure accuracy of design specifications.
- Inspected all electrical components regularly to ensure compliance with local codes and regulations.
- Implemented best practices in machine maintenance operations resulting in improved efficiency.

## Education

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### MASTERS IN ENGINEERING MANAGEMENT CANDIDATE

Expected graduation Jan 2024 | ROWAN UNIVERSITY — NJ

### PROGRAM LOGICAL CONTROL STUDIO 5000 LOGIX DESIGNER –

Mar 23 | ROCKWELL AUTOMATION — PA

### TRAINING IN LEADERSHIP –

Jan 23

### BSC IN MECHANICAL ENGINEERING

Jul 06 | THE POLYTECHNIC NEW YORK — New York , New York

### COMPLETED COURSEWORK TOWARDS ROCKWELL AUTOMATION

## Languages

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- English  
Fluent

## Skills

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- Safety Monitoring
- Vendor Relations
- Predictive and Preventive Maintenance
- Maintenance Implementation
- Equipment Improvement
- Hand Tools
- Diagnostic Procedures
- Equipment Functionality
- Process Improvement Design
- Performance Improvement
- Performance Monitoring
- Preventive Maintenance
- Project Specifications

- Electrical Installations
- Programmable Logic Controllers
- Supply Chains
- Pneumatic Systems
- Safety Practices
- Employee Programs
- Technical Troubleshooting
- Inventory Maintenance
- Corrective Actions
- Safety Meetings
- Technical Support
- Blueprint Reading
- Equipment Assembly
- Hand and Power Tool Operation
- Hazard Monitoring and Management
- Continuous Improvement Process

## **Certifications**

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- Program logical control
- Engineering leader