

# **CHRISTOPHER J. AUTHEMENT**

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## **Objective:**

I am currently looking to simplify my career path and role. I am now a maintenance supervisor; however, with two small children and a working wife, I am finding that now is not the best time for me to fill this sort of role professionally. I am really hoping for an opportunity to work with my hands more once again. I am highly motivated, experienced and trainable in any field. I am an accomplished electronics technician and test engineer with experience in managing people, capital budgets, and inventory. In addition to this, I am very proficient and experienced in many kinds of electronics and electrical concepts as well as mechanics. I am a highly technical writer, have held multiple quality-inspection roles, and standards-compliance positions.

## **Work Experience:**

### **November 2018 – Present**

Dorma Kaba Ilco in Rocky Mount, NC

Maintenance Supervisor (Salary)

- Responsible for all training, training records, and training documentation for the maintenance team.
- Responsible for a time and attendance for the maintenance team members.
- I am the department project manager and must working closely with the engineering department to make project milestones.
- Responsible for safety compliance within my department as well as throughout the plant as my team supports maintenance related task.
- Responsible for organizing and coordinating the preventative maintenance program.
- Responsible for all disciplinary, hiring, and terminating for the maintenance team.
- During times that we do not have enough personnel to cover the need of our operations, I must also support my team as a hands-on maintenance team member, acting as our maintenance group leader. (I also do this on Fridays in what I like to call “Fridays on the floor”. This helps me to develop a closer trust with my team and see, with my own eyes, each team member’s strengths and weaknesses to better help them learn and grow.)

### **September 2017 – Promotion**

Dorma Kaba Ilco in Rocky Mount, NC

Maintenance Group Leader

- Maintain inventory parts for all equipment to minimize downtime.
- Engineer design changes to equipment to improve efficiency and further reduce downtime by replacing "band aid" maintenance practices with proven repairs.
- Direct the day-to-day operations of the entire maintenance department personnel.

- In the absence of the Maintenance Supervisor, I operate to the capacity of that role including project management and asset direction for the maintenance department.
- Performs "look-ahead" operations and directs the preventative-maintenance personnel. This includes scheduling machine down time with the production managers and operators up to one year in advance.
- Perform root-cause analysis of problems plant-wide to include robotics, logistics, electronics, and mechanics.
- Perform internal and external audits of process standards.
- Write and develop new process documentations as required for the day-today operations of the maintenance department.

#### **April 2015 – September 2017**

Ardagh Glass in Wilson, NC

Maintenance Specialist for the Cold End

- Maintain inventory parts for all equipment to minimize downtime.
- Engineer design changes to equipment to improve efficiency and further reduce downtime.
- Utilized multi-craft electrical and mechanical skill set to make repairs and maintain cold-end inspection equipment.

#### **November 2013 – April 2015**

Peninsula Packaging Corporation in Wilson, NC

Electrician and Electronics Specialist (Multi-Craft Electrician/Mechanic)

- Maintain all electronics within the entire facility as I am the only electronics specialist and the only electrician.
- Plan, install, and maintain all single, split, and three-phase motors, servos, and drives.
- Plan scheduled maintenance and all downtime for all primary production equipment and production support equipment.
- Maintain inventory parts for all equipment to minimize downtime.
- Engineer design changes to equipment in order to improve efficiency and further reduce downtime. (This would be similar to a continuous improvement role.)
- Design and implement changes to PLC logic and motor/servo drives. This involves PLC terminations and sensors.
- HMI design and implantation.
- Plan and implement conduit runs within the NEC / NC code.
- Engineer carriers for all delicate process signals; I.e. – 4mA to 20mA termination with conversion mathematics. Meaning, I have a very deep understanding of Ohm's law and Kirchhoff's law.

#### **January 2010 – October 2013**

ABB Inc. Pinetops and Tarboro, NC

Test Engineer (Salary)

- Gained insight into advanced single-phase engineering concepts. I.e.: Flux Density, B-H Curves, Core polarization.
- Worked daily with simply single-phase engineering concepts. I.e.: Harmonics calculation such as THD, Turn ratios, voltage saturation, Ohm's law, Kirchhoff's law.
- Performed calculations and testing for applied voltage testing, induced testing, watts loss testing, heat runs, impulse testing, voltage composition testing, resistance, partial discharge/corona, switching surge, and accuracy testing.
- Designed and built the new Outdoor, three-phase lab.
- Managed team of test personnel. Approximately seven to ten people at any given time.
- Design and maintain test in accordance with customer specified national or international testing standards. I.e. IEEE, IEC, CSA, Australian, Russian, and/or Canadian.
- Design and implement test systems that I designed per testing requirements from other teams and groups. I.e. Research and Developmental Engineering.
- Maintain calibration standards, documentation, and compliance with ISO9001 and other required yet similar standards organizations.
- Perform internal and external audits of process standards.
- Perform root-cause analysis of problem devices and assist the research and development department with correcting design problems.
- Perform daily preventive maintenance work on plant-wide automated systems.
- Maintain and install various forms of electrical, pneumatic, and some hydraulic systems throughout both plant locations. This includes "pulling" wire and installing conduit, working with man-lifts and/or cherry pickers, and some light fabrication.
- Used my technical writing skills to write and maintain work instructions and give training to test technicians to insure compliance with testing standards and certification of test results.
- Maintain RSLogix and PLC ladder logic code for all existing systems. This includes PID controls and timed pulse "drum" systems.
- Maintain LabVIEW code for all automated testing stations in both facilities (Pinetops and Tarboro). This includes insuring safety is the first priority in the event of equipment locking up, etc.
- I wrote and implemented and plant-wide software package that successfully brought all test systems to "one code." My purpose for doing this was to make my job more time manageable. Before doing this, each test system had a unique test code. With fifteen running systems, it was simply impossible for one person to maintain everything each day. Today, I can manage the entire test floor from my bedroom at home.
- Make changes to test parameters in our local SQL database to ensure continuous work flow.
- Assist in maintaining all computer hardware and software that is not maintained by contractual agreements.

## **2008 - January 2010**

Waukesha Electrical Systems Incorporated  
Quality Assurance - Electrical Test Technician

- Perform visual and electrical inspections and verification to medium to large-format power transformers; including Ratio measurements, resistance measurements, and power-factor calculations during pre-tanking phase of construction.
- Perform dielectric testing and verification to completed transformers for certification of customer guaranty on transformers rated to 30-40 Megavolt-Amperes, FA. This includes: Ratio re-testing, resistance re-testing, core-to-coil resistance measurements, non-loaded core losses in Watts, loaded core losses in Watts, temperature rise testing, basic-insulation-level (BIL) testing, sweep-frequency-response-analysis, applied potential testing, transformer and bushing power factor.
- Perform electrical testing and verification of current transformers on both installed and non-installed current transformers.
- Circuit trouble-shooting and fault tracing requiring extensive circuit theory and knowledge of both Ohm's Laws and Kirchhoff's Laws.
- Dielectric and Power-factor testing of insulating oil and verification of breakdown voltage and temperature using ASTM D1816 and ASTM D877 testing standards.
- Perform dew (or frost) point measurements using Shaw and Vaisala dew point measuring sensors.

## **2007- 2008**

Seymour Johnson Air Force Commissary  
Electrical Technician/Inventory Specialist

- Performing electrical wiring and facilities maintenance on base equipment
- Working with hand/power tools to perform electrical repairs
- Maintaining outgoing and incoming inventory on a daily basis
- Performing electrical wiring on residential and commercial facilities

## **Other Qualifications:**

- Over ten years experience in team leadership roles from the "very-limited" capacity to the "heavily-relied-on" capacity.
- Certified LabVIEW Developer with experience in all versions from versions 6.1 to 2014.
- Very familiar with NFPA 70 and NEC (national electric code).
- Three years of hands-on SQL database coding.
- Over fifteen years experience troubleshooting and repairing electronic/electrical devices using digital multi-meters, oscilloscopes, wave generators, and spectrometers.
- Over four years experience in repairing HVAC systems.
- Over five years experience in customer service. This includes problem resolution and product-acquisition for cost-effectiveness.
- Over three years experience as a Finish-Carpenter.
- Proficient and experienced in Data-Entry, Microsoft Word, Excel, Access and Power Point. I can type approximately sixty words per minute.

**Education:**

2001-2003

L.E. Fletcher Louisiana Technical Community College

- Level V Engineer's Assistant Computer Aided Drafting and Design
- Associates Degree in Engineering in Electronics and Mechanical Drafting

2003-2004

Community College of the Air Force

F-15E Avionics Technician Level V Career Development Course

- Troubleshooting and repair work for electrical components on all navigation and communication packages to include laser-guidance, military global positioning systems and infrared technology.
- Achieved and maintain all requirements for Level V Career Development Courses

2018 – Present

Nash Community College (2+ 2+ Program with UNC Charlotte)

- Bachelors of Science in Business Administration