**JONATHAN G. ARCOCHA**

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**QUALIFICATIONS SUMMARY**

A highly motivated manufacturing engineer at BASF Corporation. Over eight years of proven and progressive leadership and management responsibility with demonstrated success in personnel management, production processes, maintenance, training, and leader development.

**SECRET SECURITY CLEARANCE**

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| • NCEES Certified | • Internal Auditor Certification | • SQE Training |
| • QE Training | • PPAP/PFMEA Experience | • Audit Implementation |
| • Document Control | • Database Design/Management | • Microsoft Office Expertise |
| • Basic Web Design | • CAD Design | • Excellent Communicator |
| • Technological Competence | • Business Intelligence Integration | • Detail Oriented |

**RELEVANT EXPERIENCE**

**Manufacturing Engineer**

**BASF Catalysts G-CCE, Huntsville, AL • February 2018 to Present**

Responsible for designing and implementing plant efficiency improvement and scrap reduction initiatives that resulted in less wasteful, more profitable processes throughout the plant. Led and participated in Lean/Six Sigma projects designed to improve process function and controls.

* Responsible for the design, planning, and implementation of several high dollar projects designed to improve plant efficiency and reduce scrap on eight high-volume production lines, with over ninety-thousand parts produced per day.
* Achieved nearly fifty percent reduction in scrap among the highest root causes of defects within the plant.
* Responsible for the administration and update of several critical SQL databases to ensure proper plant function and key process indicator data.
* Developed and coded over 150 procedures / projects to improve production system performance, key metric tracking, and employee job efficiency.
* Designed and created a new system for displaying and tracking production targets, performance, downtime durations and causes, and overall production performance utilizing information from seventeen tables across four databases.
* Designed and built a business-intelligence based platform to replace the spreadsheet-based daily reporting system across four departments. Reports were automatically generated and updated using live production data and tailored to fit the needs of each department, replacing eight spreadsheets with one integrated dashboard.
* Led and participated in Lean and Six Sigma projects to production-based issues. Implemented administrative and engineering controls to improve performance and reduce waste.

**Quality Engineer / Document Control Coordinator**

**Faurecia Interior System, Tuscaloosa, AL • January 2017 to Present**

Responsible for implementing process control programs that assured production of finished goods that met or exceeded customer-specified requirements. Led continuous improvements by utilizing appropriate quality tools and data analysis.

* Managed the quality assurance of up to eight high-volume production lines across four different customers, involving activities from launch to warranty production.
* Created, implemented, and sustained a new form of layered process audit within the plant which improved audit conformance and improved product quality.
* Achieved up to ninety percent reduction in scrap and customer rejections across all assembly lines through the application of creative new process and line maintenance strategies.
* Trained/mentored plant staff as a lead auditor to both prepare and successfully meet the requirements for several internal and external performance and conformance audits.
* Led and participated in quick response and continuous improvement workshops to discover root causes of non-conformances, implemented process and product changes to correct them, and worked with OEM customers to achieve them.
* Improved and maintained plant documentation and control through the creation of a new management system, which directly attributed to the obtainment of plant TS16949-2009 certification.
* Initiated and validated corrective and preventive actions with suppliers in order to respect the Production Part Approval Process (PPAP)

**Supplier Quality Engineer / Quality Engineer / Document Control Coordinator**

**Faurecia Emissions Control Technologies, Taylor, MI • June 2015 to December 2016**

Responsible for investigating and evaluating manufacturing defects of supplied components. Oversaw multiple suppliers, ensuring all quality standards and requirements were met. Maintained optimized production levels and on-time customer deliveries.

* Conducted multiple projects simultaneously ranging from feasibility phase to post launch quality assessments throughout production life.
* Initiated and validated corrective and preventive actions with suppliers in order to respect the Production Part Approval Process (PPAP)
* Regularly conducted audits of both supplier and internal processes that improved performance throughout the organization.
* Conducted investigations to determine causes of defects, made recommendations for corrective actions, and worked with suppliers to implement them.
* Directly contributed to obtaining TS16949-2009 and Ford Q1 certification while promoting consistency throughout the company by:
  + Developing and maintaining a new software program that increased material traceability
  + Creating and standardizing new document control procedures

**Engineering Intern**

**Martinrea Metal Industries, Auburn Hills, MI • February 2014 to June 2014**

Responsible for compiling and analyzing test result data on the company’s variously tested products, as well as creating and submitting professional reports to be used by Original Equipment Manufacturers.

* Prepared, oversaw, and conducted analysis on various product durability tests in accordance with manufacturer specifications.
* Compiled testing results data and prepared professional reports, submitted to Original Equipment Manufacturers such as Ford, GM, and BMW for use in product improvements.

**Engineering Intern**

**Redall Industries, Yale, MI • September 2013 to January 2014**

Responsible for compiling and analyzing performance data on the company’s entire line of manufacturing equipment. Introduced and implemented recommendations for efficiency and production improvements based on data analysis.

* Conducted analysis, made improvement recommendations, and implemented changes that contributed to up to 50% reduced downtimes across several machines.
* Worked closely with both management and floor operators to ensure user friendliness and production increase of proposed changes.

**Sergeant, Michigan Army National Guard**

**125th Infantry Division, Detroit, MI • 2010 to 2016**

Served as a non-commissioned officer responsible for the health, welfare, training, and care of assigned subordinates. Was responsible for accomplishing assigned missions as directed by superiors in order to meet unit and Army objectives. Was responsible for the maintenance and sustainment of high dollar equipment assigned to the unit.

**Training, Advising, and Counseling Officer (TAC)**

**United States Army Reserve Officer Training Corps, Ann Arbor, MI • 2010 to 2015**

Was responsible for insuring and maintaining accountability of a large number of personnel and assigned equipment. Supported the Army and the assigned senior officers training plans in order to develop the next generation of Army leaders.

**EDUCATION**

2010-2015 University of Michigan-Flint, BS, Engineering. (Graduate)

2007-2010 United States Military Academy, West Point, NY Major: Mechanical Engineering

2007 Carlisle High School, Carlisle, PA (Graduate)

**HONORS AND AWARDS**

2017 Lead QMS Auditor Certification – Exemplar Global QM/AU/TL

2015 NCEES FE Mechanical Engineering Exam (Passed)

2011 Platoon Leader, US Army ROTC

2007 National Hispanic Scholar, Honorable Mention

2006 BSA, Eagle Scout, Carlisle Bks, PA

2005 BSA, Order of the Arrow, Carlisle Bks, PA