**WAHED HUSSAIN**

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**SUMMARY OF QUALIFICATIONS**

Highly motivated professional with outstanding domestic and international experience in automotive, defense and heavy-duty vehicles providing leadership skills to help, achieve and exceed targeted profitability and growth. Exceed customer satisfaction, quality improvement and smart manufacturing at supplier locations. Contain and resolve OEM and Supplier Builds issues.

Perform quality audits at the supplier and at our plant to ensure the standards are met.

Communicates with suppliers, manufacturing plants, and others to propose and implement countermeasures for quality, manufacturing, and field concerns within assigned area.

Trained in Functional Safety (ISO - 26262).

Certified in IATA 16949

Assessing using SPICE (Software Process Improvement and Capability dEtermination) in assessing the quality of products (ISO- 15504) international standard}*.*
Assists manufacturing plants and suppliers in identifying cost saving methods while improving quality, hence reducing scrap rate.

Review incoming quality concerns to maintain quality with assigned area; have experience with initiating containment, determining root cause and implementing corrective actions

Certified Green Belt, from Shainin, DMAIC, and trained in Black Belt, completed training in lean manufacturing.

Ensure voice of the customer is honored in Vehicle Integration developments and ensuring new products are launched to meet customer level functional objectives, quality standards and exceeds customers' expectations of measured /perceived quality. Used JD Power and Consumer Report for warranty information.

Led and actively participated in cross-functional teams to achieve common program goals and system functional validation through use of the APQP (Advanced Product Quality Planning), PPAP (Production Part Approval Process), PPAP, FMEA, DVP&R, Performance Standard, Corrective Action, Fishbone, and Process sign off. Develop countermeasures to contain build issues, and support plant quality issues and Supplier Quality Initiative (SQI). Directed vehicle launch and quality improvement activities, resolved field and plant quality issues.

**CORE COMPETENCIES**

Process Development, Process Map, Control Plan, Problem Solving, DFMEA PFMEA, New Vehicle Launch, PAP, DVP&R Production Support, Corrective Action/8D.

**PROFESSIONAL EXPERIENCE**:

**ZF/TRW:**

**Principal Engineer Functional Safety - Electronics, ADASS (Automation Driver Assists System). Feb 2017-**

* Development of the ECU safety requirements from technical and functional safety concepts and the allocation to HW and SW components as per ISO 26262,
* Ensure proper specification of safety requirements and mechanisms for HW-SW interface specification by working with ECU Systems Engineering team.
* Identify, develop, review and allocate safety requirements.to the HW and SW components as per the ECU Subsystem architecture design.
* Help in requirement traceability and maintenance between ECU subsystem design, Hardware-Software components and testing.
* Certified auditor and audited the quality department and pointed out the discrepancy.
* Trained in Functional Safety (ISO - 26262) and certified in IATA 16949-2016

**Senior Quality Assurance Engineer. April 2015 –****Feb 2017**

* Working on camera (Driver Assist System) to ensure the requirements are met which are defined by the customer.
* Using ASPICE (Automotive Software Process Improvement and Capability dEtermination) in assessing/auditing the quality of products {presently on Camera in the automotive ((ISO- 15504) international standard}*.*
* Working with the team of engineers to ensure testing are done correctly and the DFMEA, DVP&R, lesson learned, gates review is captured and documented, updated and used in future projects.
* Resolve all the customers’ issues, using Root cause analysis, Fishbone diagram, 5 - Y
* Supervised and coached engineers about the ASPICE (Automotive Software Process Improvement and Capability dEtermination) implementation and how it helps in quality improvement.

**FIAT** [**CHRYSLER GROUP LLC**](http://www.linkedin.com/search?search=&currentCompany=C&company=Chrysler+Group+LLC&sortCriteria=R&keepFacets=true)

 **[QUALITY and RELIABILITY ENGINEER](http://www.linkedin.com/search?search=&title=Senior+Quality+and+Reliability+Engineer&sortCriteria=R&keepFacets=true&currentTitle=C" \o "Find users with this title)  October 2011– Feb 2015**

* Responsible for investigating, analyzing and correcting problems in quality, production, warranty and control at a supplier location and at the plant. Perform audits and implement new strategies. Lead the development and oversee the preparation and execution of DFMEA, DVP&R, Performance Standard, Boundary diagram, specification, Corrective Action, Fishbone and functional objectives at both system and component level.
* Interfaced with Engineers and supplier in maintaining quality and reliability on issues related to cluster, Body in white component/parts, Wiper system, Sunroof, Lighting, horns, and Sealing/water management.
* Resolving international issues – Transmission, Axle drive line, Corrosion, Sunroof, Lighting (head lamp, tail lamp), Horns, Sealing/water management, brakes on vehicles in Russia, China, India, and Brazil and working with suppliers and engineers to resolve the issues.
* Using lesson learned and best practices to ensure the quality defects are not repeated.
* Wrote specifications, and harmonization/communization of Specification, laboratory process between Chrysler and Fiat group.
* Worked with supplier for developing smart wiper system.

**[ALTAIR ENGINEERING, on contract to](http://www.linkedin.com/search?search=&currentCompany=C&company=Altair+Engineering%2C+on+contract+to+Chrysler+Group+LLC&sortCriteria=R&keepFacets=true" \o "Find users who have worked at this company)** [**[CHRYSLER GROUP LLC](http://www.linkedin.com/search?search=&currentCompany=C&company=Altair+Engineering%2C+on+contract+to+Chrysler+Group+LLC&sortCriteria=R&keepFacets=true" \o "Find users who have worked at this company)**](http://www.linkedin.com/search?search=&currentCompany=C&company=Chrysler+Group+LLC&sortCriteria=R&keepFacets=true)

[**SENIOR QUALITY ENGINEER**](http://www.linkedin.com/search?search=&title=Senior+Quality+and+Reliability+Engineer&sortCriteria=R&keepFacets=true&currentTitle=C)  **May 2011– October 2011**

* Interface with engineers, designer, in maintaining quality on component/parts and devised methodology to improve it. Assist engineers in development of PPAP, DFMEA, DVP&R,

**BAE SYSTEM –**

**STAFF ENGINEER/SUPERVISOR- QUALITY, YORK PA (May 2008-Feb 2011).**

* At York PA worked on TPU design and resolved quality issues and on, and C/GHS Resolved quality issues on 350 tracked vehicles.
* Audited the supplier to improve production run and quality improvement of the product/part. Created Process Map and Control Plan. Eliminated non-value-added activity by using engineering standards from DMWR (defense specification).
* Working knowledge of ITAR.
* Delivered 5 PIM and 2 CAT vehicles, a month earlier and gave company saving of $650,000.
* Launch coordinator for new vehicle activities. Responsibilities include Review design, product testing and validation and communicating / analyzing non-conformities for root cause and creating FIR (Final Inspection Report).
* Interfaced with the external customers – TACOM and DCMA to resolve quality issues on heavy duty and chained vehicles - chassis, stack up tolerances, electrical (IP, Steering Column, Switches, head and taillights), Horns, Doors, Weather Seal, Door handles.

**STAFF ENGINEER/ SUPERVISOR - QUALITY. SEALY, TEXAS (2009-2009).**

* Lead engineer for improving quality on 4000 military trucks vehicles (FMTV-Family of medium size tactical vehicles).
* Nominated for the President’s award by the Director of Engineering at Sealy, Texas for a successful launch of the Severe Heavy-Duty vehicles, and improving quality , writing specification, statement of work and completing it in record time.
* Gave a saving of $0.5 million.
* Lead Quality process improvement activities - identify gaps in the Quality processes, develop actions with Key issues
* Responsible for investigating, analyzing and correcting problems in quality, production and control at supplier ‘s location. Perform audits and implement new strategies for the suppliers to improve quality and reduce scrap.
* Develop metrics and new test procedures when necessary to evaluate performance criteria using existing industry standards, Product Assurance Plan (PAP), Design Verification Plan and Report (DVP&R), Design Failure Mode and Effect Analysis (DFMEA), Process Failure Mode and Effect Analysis (PFMEA), Production Part Approval Process (PPAP), Advanced Product Quality Planning (APQP) and Root Cause Analysis (RCA), requirements.

**DAIMLER CHRYSLER -- Auburn Hills, MI**

**PRODUCT ENGINEER (Feb 2004 –May 2008).**

* Worked as lighting engineer for the development of the lamps on the new Jeep Wrangler 2 and 4 doors and accordion roof.
* Spear headed a special team to improve quality to the exterior components of the JK (Wrangler, 2 &4 doors) vehicle.
* Spear headed the water management team to resolve all water leaks issue on JK during the launch.
* Interface with suppliers in maintaining quality/reliability on the exterior component/parts and devised methodology to improve quality and reliability on the parts. Supported new vehicle builds and responded to build issue tracking system and electrical integrity, audit issues for timely closure.
* Responsible for safe launch of JK vehicles at Plant.

**DAIMLER CHRYSLER -- Auburn Hills, MI**

**ADVANCED MANUFACTURING ENGINEER (Jan 2000 –Jan 2004)**

* Worked with supplier to build station for manufacturing of Valve Body and transfer Plates for German Transmission at ITP (Indiana Transmission Plant) at Kokomo, - Indiana.
* Visited supplier to certify them and for the purchase of machinery for the manufacturing of the components.
* Worked with supplier to install the anodizing station for the parts.

**DAIMLER CHRYSLER -- Auburn Hills, MI**

**SENIOR PROJECT ENGINEER (March 1994 –Nov 1999)**

Worked on Dodge Ram van on electrical, switches.

* + Communized the fastener in the van and gave a saving of 250 thousand dollars
	+ Trained and supervised employees.
	+ Worked with suppliers to maintain key program timing and quality improvement.
	+ Led the team of engineers in communizing the Under-hood lamp assembly across all the vehicle line, from cradle to grave by eliminating the mercury and gave the company saving of 0.65 million dollars.

The lamp assembly was developed in a record time of 6 months

**EDUCATION:**

* M.B.A. - University of New Haven, West Haven, Connecticut, US.
* MS - Electronics Monmouth college, West Long Branch, NJ
* B.S. - Engineering University of Karachi, Pakistan.

**PROFESSIONAL TRAINING /CERTIFICATION**.

* Green Belt certified from Shainin,
* Certified in DMAIC and 6-Sigma.
* Black Belt certified by Chrysler
* Lean Manufacturing - Part 1& 2 (Lean Advocate & lean Leader)
* Supplier Chain Management.
* Six- Sigma – Lean Manufacturing.
* IATF 16949-2016
* Functional Safety (ISO – 26262 Rev 2)
* ASPICE (Automotive Software Process Improvement and Capability dEtermination).
* intacs™ Certified Provisional Assessor (Automotive SPICE®). SPICE assessor training
* First level Leader training module 1 & 2
* DFMEA / IQ-FMEA (software)
* DVP&R
* PPAP