# Mr Salman Hameed

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Notice Period: One Week Notice

Nationality: British

**CAREER OBJECTIVE/CAREER SUMMARY**

## IPC Certified, an enthusiastic, reliable, responsible, self-manageable, self-motivated, team player, analytically minded electronics Inspector/Mechanical/Technician/Wirer/Assembler/Tester with more than 18 years of experience working in the electronics, Industrial, Commercial, Defence and Aviation sector, Satellite Sector, Automotive Solutions, Oil & Gas, Medical and Military, seeks more experience with a progressive Organisation.

## **Working Standards**:

## ISO9000, ISO9001:2015, AS9100, ISO1400, ISO/IEC17025, ISO18001, ISO27001

**Certified Technician/Inspector/Wireman/Tester**

**Certified IPC Trainer IPC-A-610 G (Class 1, 2, 3)**  
IPC-A-620 (Class 1, 2, 3)  
IPC-A-7711 & 7722 (Class 1, 2, 3)  
J-STD-001 (Class 1, 2, 3)

PS188, PS118

Military Standards 1553

ARINC 429

Industrial Standards

Commercial Standards

Automotive Standards

Oil & Gas Standards

Aviation Industry

## Experience in the following

* Electro-mechanical Prototype Technician Consultant.
* Hand/Machine build PCB by Using BOM, Build Vero Board from Scratch using schematic diagrams.
* Wave soldering Machines, Conveyer Soldering Machines, solder paste, solder silk screen.
* Conformal coating via machine or manually, UV chambers.
* Through hole components and surface mount components up to 0201 size, press fit components.
* Rework by using ERSA Bench tools and others, hot plates, hot guns, Electric tweezers, through hole and surface mount.
* BGA Chip soldering/rework, Infrared soldering machine, X-ray machine for inspection.
* Quality Control Inspection, NCR, ECR, ECN, COC, CN, Fault reports, FAIR, First inspection, manual inspection, final inspection, Goods incoming inspection, goods outwards inspection, electro-mechanical inspection, inspection under microscope x4, x6, x10, x20, x40, Eye Glass, Vernia, Visual, Digital Callipers, rulers, shallow graph.
* Quality Control Inspector/Auditor, QCM, Checking all requirements, tools calibration inspection.
* Testing of electronics PCB and RF Cables and PCB, Network Analyzer, DVM, Analogue meter, Multichannel PSU, Spectrum Analyzer, Oscilloscope, ATP, creating test reports, creating test jigs, RF testing, Environmental testing, EMC testing, CTIA Testing, High Voltage testing, Low Voltage Testing, Near Field Testing, fault finding to component level using DVM, reading schematic diagrams., Calibrating Lab Equipment, PAT Testing.
* Prototype Wireman, Wiring, Crimping, Stripping, Pull Test, Electronic wire stripper, sleeves, spiral sleeves, heat shrink sleeves, solder sleeves, RF wires, RG178 and others, D-Type Connector, Amphenol Connectors, RJ45 Connectors and automobile connectors, Cabinet Wiring, Looms and Harnesses, Crimping tools, Cage Crimp, Molex Crimp, etc.
* Electro-mechanical Assembly, Maintenance, Rework, Loctite, Epoxy, Resin, Vacuum chambers, Engraving Machines, electric screw drivers, torque tools, Electric hand-held devices, Dremel Machine, Jigsaw, Grinders.

Work experience

### Dialog Semiconductor, Swindon, Wiltshire, UK

### Mar 2019 – Present

### **Electronics Lab Technician**

### Research and Development environment

### Wireless Charging, Powering the world wirelessly

### Quality Control, Inspection and implementation.

### Working to IPC-610, IPC 620, J-STD\_001, IPC 7711 & 7721

### Managing all Lab equipment including giving new asset number and send for Calibration

### Calibration of Votsch environmental chambers.

### Engineering request has been carried out to build prototypes

### Wiring, looms and harnesses prepared

### PDR Usage, rework and place of BGA chips

### Updating all in computer using Excel, Word, Power point, SAP, Windows Edge, Lyncs

### Testing RF Cables using Network analyser

### Programming of BGA chip using GUI software.

### DDC Electronics (PASCAL), Isle of Wight, Hampshire, UK

### Jan 2019 – Mar 2019

### **Bench Technician**

### Aviation and Military equipment, PSU, SPI to MIL Standards 1553 interface

### IPC A 610, J-STD-001, IPC 7711 & 7721, IPC A 620

### ISO 9001:2015, AS9100, ISO/IEC 17025

### Electromechanical Assembly by using drawings and engineering notes.

### Maintenance of PCB`s

### Population & soldering of PTH PCB, through hole and surface mount components up to 0402 size.

### Torque tools, Loctite, Epoxy, Silicon Gel, Conformal Coating, hot plates, Climate Chambers, Ovens

### Rework according to engineering drawings and notes, cut tracks and pad replacement

### Press bench tools, Wiring, looms, Harnesses.

### Lilium Aviation GMBH, Munich, Bavaria, Germany

### Sep 2018 – Dec 2018

### **Senior Quality Control Inspector**

* Working on Vertical flights of fully electrical Jet car.
* Prototype build.
* Working on wings, flaps and engines and internal body.
* Schematic wiring diagram, engineering specification and tolerances.
* Working according to AS9100, IPC 17025, IPC 610, IPC 620, ISO 9001, ISO 18001.
* Implementing inspection procedures, auditing reports.
* Raising fault reports, NCR, C of C, ECR, FAIR.
* Root cause analyses.
* Visual Inspection, first off inspection, final inspection, manual inspection.
* Vernia, digital callipers, eye glass, Vision Microscopes x 40
* Inspection of carbon fibre and fibre glass application and damage.
* Spot welding inspection and carried out welding activities by using Miyachi PECO Machine.
* Fitting of macarena, Flexi Kapton tape, Flexi PCB.
* Installation of battery packs.
* Inspection of high voltage battery modules.
* Wiring, crimping, striping, epoxy, adhesives, resin, Vacuum chambers, environmental climate chambers, Loctite’s, torque tools.
* Carried out electro-mechanical work.
* Excel, word, windows 10, ERP System, SAP, power point, Alpha pro system, slack, drop box.

### Altiostar Neworks Ltd, Weybridge, Surrey, UK

### Mar 2018 – Sep 2018

### **Senior Lab Technician**

* Outdoor coverage and capacity solution for LTE market
* Mobile broadband industry provides first provider of virtual RAN (vRAN), evolution towards 5G.
* High Standard of Quality Work, ISO 9000, 9001, 1400, IEC17025 standards.
* EMC Chamber
* Wiring to IPC 620 standards
* Coax cable, RG178 soldering and crimping & Testing etc.
* IPC 610 High Quality Standards
* Electro-mechanical Assembly
* Hybrid and RF Components Soldering and testing
* Surface mount soldering 0201 to 1210 Components
* Hand soldering
* Environmental climate chamber, EMC chambers.
* Soldering under microscope x40.
* Lab equipment control
* Verifying & Storing Data into Computer
* Labelling by using Brothers Label Printer
* Windows, Ubuntu, Power Point, Excel, SAP

Formula One Management, Biggins Hill, Kent, UK

Nov 2017 – Mar 2018

**Test Technician**

* Working on FOM OCS (On Car System), Power Conditioners, on car units, FIU, OCS looms.
* Boot loader
* Firmware updates
* Programming
* Looms preparation
* Rework of looms and PCB
* Electromechanical Assembly
* Inspection of PCB and Looms
* Vibration testing using LDS DACTRON, LDS LING DYNAMIC SYSTEM
* Software used for programming, FT programmer, Canalyzer, Putty configuration, CMD, J-flash , J-Link, Infineon Memtool
* DC Power Supply Multi Channels (Agilent N6705B).
* Rework of SMD to 0201 Components.
* EMC Testing using Spectrum Analyzer, Vector Network Analyzer, EMC Chamber.
* DOS, EXCEL, POWER POINT, SAP
* ISO 9001, IEC17025 test and calibration, ESD Safe environment.

PRODRIVE, Banbury, Oxfordshire, UK

Sep 2017 – Nov 2017

**Electrical Engineer**

* Worked on London Fully Electric Vans
* High Voltage PHEV
* Prepared Harnesses
* Looms Rework
* Installation of looms to Electric Vans for London
* Short term Contract
* High Standard of work carried out in safe environment
* Crimping, striping, fabric sleeve, fireproof material.

GE Oil & Gas, Farnborough, Hampshire, UK

**Nov 2016 – Sep 2017**

**Prototype Wireman**

* High standards and quality of work carried out on daily basis
* Quality, speed and continuous improvement
* PPE is observed always
* Electro Mechanical Assembly
* Spark Engraver is used serialising the tools.
* P5000 is also used for permanent engraving.
* Working on OH&T (Open Hole & Tractor) tools, Well Integrity Tools
* Working according to IPC 610/620 Class 3, PS188, PS118, and other company specifications
* Modification of tools using different types of PTFE, COAX and multicore wires
* Rework on sensor tools and modification
* Different types of chemical used on daily basis with precautions and data sheet for safety
* RTV, Epoxy, Loctite, Super Flux, Liquid Grease
* Bringing all tools to company specification
* Entering all the data into the SAP to complete the task or forward it to next stage
* QA Inspection, Soldering, Wiring, electromechanical assembly
* ME manufacturing engineer role has been played here for continues improvement.
* Preparing documents for process to work efficient and standard are same.
* Taking photographs, adding videos, special instructions and safety guidance.
* Step by step guidance of completing the process in accurate and zero fault manners.
* Reducing time and increasing production with ease of use of documents.

Thales Missiles, Basingstoke, Hampshire, UK

**Sep 2016 – Nov 2016**

**Production Technician**

* Optical Bonding.
* ISO 9001, AS9100
* Electromechanical assembly
* Silver epoxy, RTV, Black epoxy, Loctite
* IPC Standard to Level 3 and above
* Working in safe environment with health and safety
* TX and RX lens gluing
* Wire soldering
* MESTEC software is used to enter daily work details
* QA Inspection, Soldering, Wiring, Electromechanical Assembly

Honeywell Aerospace, Basingstoke, Hampshire, UK

**July 2016 – Sep 2016**

**Electronics Maintenance Technician**

* Working on commercial flights radar system and HUD/DGA Units on HIRF Line.
* Ryan Air, Air France, AAE, Saudi airlines, Lufthansa, TUI, Thomson.
* Health and safety and ESD observed at all times.
* IPC Class 3 and above are constantly observed during maintenance process.
* Meeting deadlines and observing Quality at all time.
* Electromechanical assembly of High Intensity Radio Frequency Line.
* Repairing and automated testing of display units.
* SMD and thru hole components fitted of up to 0402 size.
* Working according to 5S & AS9100, ISO9001, ISO27001, ISO14001.
* Conformal coating and torque tools are used.
* Updating all related documents on computer.
* Maintenance of DGA Units.
* QC Inspection, Soldering, Wiring, Electromechanical Assembly

Railway Engineering Workshop, Acton TFL, London, UK

**July 2014 — May 2016**

**System Maintenance Technician**

* Maintenance of ATP Controllers & Static convertors.
* Worked individually and in team work.
* Improve efficiency, worked according to ISO 9000 & 9001 & IEC17025.
* ESD protection and health and safety was observed at all times.
* Weight movement with caution and according to company`s rules and regulation.
* Engineering notes, diagrams and schematics.
* Modules inspection, repairs and fault finding using DVM.
* Supporting hardware engineers.
* documenting all fault reports and repair procedure.
* Multiple stranded wires, thru hole components, hand held electronic tools used to create test rigs, vero boards and documentation for the step by step guidance.
* Computer generated schematics drawing using VISIO.
* Helping engineers from different departments to do modification, land and track repairs.
* Q.C Inspection of PCB thru hole components, wiring, crimping, stripping.
* Bench technician work, highest quality standard of soldering by hand.
* Performed daily cleanliness of ESD bench after work.
* All work carried out to the highest standard of IPC and J-STD certification class 3.

Intel Corporation Automotive Solution, Karlsruhe, Germany

**May 2013 — May 2014**

**Prototype Lab Technician**

* Working alone and in team.
* ESD protection and work safe environment was observed at all times.
* Automotive prototype units were maintained on daily basis.
* All work has been carried out to highest standard of IPC-A-610, IPC-620, J-STD-001, IPC 7711 & 7722 to class 3.
* Supporting Hardware Engineer team with the prototype ASD Modules.
* Engineering note, diagrams and schematics.
* QA Inspection carried out on incoming and outgoing products.
* Preparing details of individual units and feeding them into Excel sheets.
* Building prototypes units, retrofitting of electro/mechanical assembly.
* Replacing multiple components, from SMD to through hole and hand soldering.
* Modification according to the schematic and engineering notes using different wire gauge.
* Harnesses repaired, Removing/Replacing of BGA, PMIC via PDR soldering station and X ray machine for inspection.
* Boot loading, firmware updates and programming of processor.
* Automated testing.
* Calibration of Test equipment.
* Soft wares, Mat Lab, DOS, Excel, Power point, MS Word, MS Outlook 2010, Lync 2010.
* Commuting to different sites in Germany to handle the pressure if the project needs urgent attention.
* Stock control.
* Power drill machines were used from metal modification.
* Working to ISO9000, 9001, 1400, IEC 17025 standards.

Roke Manor R&D, Romsey, Hampshire, UK

**April 2010 — March 2013**

**Quality Inspector/Technician**

* Working alone and in team.
* ESD protection and work safe environment was observed at all times.
* Quality inspection/technician visual and microscopic.
* Incoming goods inspection, first off, manual inspection & final inspection.
* FAIR inspection.
* Engineering notes, diagrams and schematics.
* NCR, ECR, ECN, production permit, inspection reports, deviation certificates, concession note.
* SMD and through hole components hand soldered and replaced to high standard.
* BGA removal/installation.
* Bench technician work, soldering of SMD up to 0204 sizes by hand and microscopes.
* In house cleanliness.
* RF testing manual/automated.
* CTIA Chamber testing
* Near field testing
* Looms and harnesses, striping & crimping.
* Modification of PCB`s using AWG30 and multi strands wires.
* All worked carried out according to the highest standard of IPC and J-STD certification class 3.

BAE Systems, Rochester, Kent, UK

**Sep 2007 — March 2010**

**Quality Inspector/Technician**

* EFA, Boeing 777, Airbus A380, F22, F16, EFA Helmet.
* Working alone and in team.
* ESD protection and work safe environment was observed at all times.
* Quality inspection/technician visual and microscopic.
* Incoming goods inspection, first off, manual inspection & final inspection.
* FAIR inspection.
* NCR, ECR, ECN, production permit, inspection reports, deviation certificates, concession note.
* Electro-mechanical assembly.
* Bench technician work, repair, soldering, removing of different SMD and Thru hole components.
* Engineering notes, diagrams and schematics.
* Conformal Coating IB31 applying and removing.
* Hand soldering of SMD devices up to 0201 sizes via microscope x 40.
* Quality hand soldering of multiple stranded wires for looms and harnesses.
* Striping, crimping and pull test for wires strength according to company standards.
* Improved efficiency, worked according to ISO 9000 & 9001.
* All worked carried out to the highest standard of IPC and J-STD certification class 3.

2H Offshore, Woking, Surrey, UK

**March 2007 — Sep 2007**

**Prototype Lab Technician**

* Working on Oil rig sea depth and current measurement sensors.
* Working alone and with team.
* ESD protection and work safe environment was observed at all times.
* Continues improvement in working for zero failures.
* Hand soldering of PCB from bill of materials.
* SMD and thru hole components up to size 0402.
* Cleanliness of lab and stock control.
* Wiring, crimping and pull test according to company standards.
* Automated testing.
* Flashing and updating of processors & PMICS, using LAB view and other soft wares.
* Engineering notes, diagrams and schematics.
* Vero board population and testing.
* Populating PCB`s from scratch to final stage, hand soldering to final packaging.
* All work was carried to company`s specification, rules & regulations.

Maclaren Technologies, Woking, Surrey, UK

**Aug 2006 — Feb 2007**

**Bench Technician**

* Working on F1 racing cars.
* Working alone and with team.
* ESD protection and work safe environment was observed at all times.
* Work was carried out to IPC-610 and J-STD-001 certification class 3.
* Modification on PCB`s.
* SMD components up to 0402 sizes were used.
* Bench technician work.
* Performed on daily basis.
* Inspection, Wiring, Soldering

STI LTD, Hook, Hampshire, UK

**Aug 2005 — Aug 2006**

**Quality Inspector**

* Quality Inspection was carried out with high standards
* Worked to IPC 610, IPC-620 & J-ST001 class 3 and Military Standards
* ESD & HSE was observed always during the period
* First off inspection, manual inspection & final inspection
* Raising fault reports, NCR, ECR, ECN, etc.
* Inspecting different products with eye glass, visually & with microscopes x40
* Testing via automated machines and Takaya testing machines
* UV light was used for conformal coating inspection & touch ups
* BGA Soldering/Removal via machine.

TYCO, Walthamstow, London, UK

**Nov 2004 — Aug 2005**

**Bench Technician**

* Fault finding to component level
* Testing and repairs of electromechanical assemblies.
* Oscilloscopes, DVMs, Dual PSU, A/C – D/C Breakdown leakage RM215l/2 Ionisation tester used during testing procedures.
* Test documents, fault reports, test specification were prepared**.**
* MX FTE and MX Meridian software was used for testing the equipment.
* Spien Port Programmer was used to programme the chips.

Qualifications

Computer literate, Windows, Excel, PowerPoint, Lync, Visio, Outlook, DOS, other computer related soft wares that different companies use for their internal use like MRP, LIPS, SAP, MESTEC, etc.

Education

B. Com 1993 — 1995

Sheikh Khalifa bin Zayed Arab Pakistani school

Accounts  
Economics  
Maths & Statistics  
  
Passed

### A-Level 1995 — 1997

Guildford college of further and higher education

Subjects:  
  
Accounts  
Business studies  
Maths & Statistics  
IT  
  
Pass

### CCNA 1997 — 1997

Guildford college of further and higher education

Course was 2 years, didn`t complete it and finished it within 6 months.  
Not completed.

Interests

Cricket  
Volley ball  
Driving  
Badminton  
Swimming  
Reading news about new technologies   
Socialising with colleagues and friends