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| Professional Experience |
| McLaren Automotive, Woking, Surrey.  2004 - Present  Manufacturing Engineer (Electrical Systems)  Achievements:   * Recently Supported across function with Controls Test Department developing controller download application code scripts in JAVA NetBeans – in combination with Monaco DTS software suite to support vehicle development and marketing, this involved:   + Supplier liaison on technical Q & A   + Interdepartmental coordination and test result feedback   + Java Programming   + ODX / CDD Creation and modification * Introduced New Model(s) (P1 – P11R – P13) Diagnostics System / Equipment / Routines   + Project planned Introduction and implementation of new vehicle variants and models In line electrical test platform.   + Budgeted and controlled finances for project inception to completion   + Specified all Diagnostic Routines, Software, GUI, and hardware Requirements   + Commissioned and signed off System to budget and to deadline * Designed, constructed and delivered an Off Line Flash Rig, for Vehicle controller reprogramming, eliminating supplier on-cost, and reducing wastage, combining off shelf components with bespoke in house software, to reduce development and delivery costs. * Introduced New Model(s) (MP412C) / (MP412C Spider) Diagnostics System / Equipment / Routines   + Project planned Introduction and implementation of a completely new Bespoke MDS   (McLaren Diagnostics System)   * + Budgeted and controlled finances for project inception to completion   + Specified all Diagnostic Routines, Software, GUI, and hardware Requirements   + In conjunction with IT specified the MDS integration within infrastructure   + Commissioned and signed off System to budget and to deadline * Introduced New Model(s) (SLR 722 / SLR Convertible) Systems Diagnostics equipment / routines   + Project planned Introduction and implementation   + Budgeted and controlled finances   + Specified / Acquired Hardware and Software Requirements   + Introduced engineering changes into Diagnostics Code   + Commissioned and signed off System to budget and to deadline. * Project managed a versatile PC Based line-side production / process control system.   + System Design / Hardware Specification / Assembly   + Project planned it’s introduction   + Budgeted and controlled project finances * Investigated and resolved numerous Manufacturing, Service and aftermarket Concerns regards the Vehicle Systems   + RCA (Root Cause Analysis)   + Used a multitude of Quality investigation tools   + Utilized knowledge gained to ensure continuous improvement within manufacturing   + Presented findings, cost savings and improvements back to senior management   Responsibilities / Skills:   * The development and maintenance of Vehicle Electrical systems and Vehicle diagnostic equipment   + Configuration and development of Manufacturing Diagnostics Tools * Ensure ECUs are configured correctly with regards to Specification and Destination * Ensured the vehicle functions to desired specification * ETAS DTB development Tool (Java based – Visual Studio) * C / C++ Programming of Test Scripts and ECU Programming Modules * Implementation and modification of ECU Communication files. * Communication Protocols: KWP2000 / MB-ISO / KWFB / UDS * CAN / LIN / K-Line Communication * Experience of CANDi / CAN analyser / CANoe / CANape   + Supported EDS Engineers with both ECU’s and Electrical Harness changes.     - Production tryout     - Fit and function inspection     - Process Documentation modification and creation * Maintenance of the line-side production / process control systems   + Software Configuration   + Cisco WLAN / LAN Configuration   + PC Hardware maintenance / configuration   + Costing and project management * Responsible for all electro / mechanical equipment utilised within the production facility   + AC Fill unit   + Wheel alignment and Micro-Weight System   + Brake Fill Equipment – Hydraulics - Pneumatics   + Headlight Alignment Equipment   + Fuel delivery equipment * Vehicle Electrical fault diagnosis,   + DTS V6 and V7 / CAN Analyzer / CANoe / CANape   + Electrical Schematics   + Problem Solving (RCA)   + Harness repair / rework and creation * Production Jig and fixture design, development, and construction   + Designing (AUTOCAD / CATIA Basic)   + Quotation requests   + Supplier communication   + Cost Control * Contact person to IT for all IT / Network and communication issues, and management requests. * Ensure Build Deviation Requests are introduced and new processes are in-place to ensure effective introduction. * Assisted in the Introduction of new lean manufacturing techniques * Coordination responsibility of the Electrical Diagnostics Team. * Liaison with suppliers and contractors |

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| McLaren Automotive, Woking, Surrey.  2002 - 2004  Compliance Engineer (Homologation) / Quality Systems Engineer  Achievements:   * Completed the vehicle certification of the Mercedes SLR McLaren, on schedule, and to budget. * Successfully introduced Conformity of Production control plan, and obtained VCA Approval. * Became a qualified ISO9001: 2000 quality auditor * Became a Catia V4 competent user   Responsibilities:   * Generating all certification documentation for the Mercedes SLR McLaren * Created all certification drawings * Liaison with the VCA, designers, suppliers, test houses, and customers * Planned and organised certification tests * Sourced test components and test equipment * Conducting self certification test’s * Solving in-market issues * Control certification relevant design change control * Presenting to senior management on current and future legislation. |
| Honda of UK Manufacturing, Swindon, Wiltshire.  2001 - 2002  Certification (Homologation) / Quality Systems Engineer  Achievements:   * Completed the CIVIC Si US introduction on schedule. * Maintained and improved current Quality and C.O.P processes. * Became a qualified ISO9000 internal quality auditor * Developed numerous Quality Tools, including FMEA, SPC, and 5Y * Advanced to co-ordinator, developing man-management skills.   Responsibilities:   * Control, plan and execute an effective Quality and C.O.P Process. * Maintain and update certification documentation * Conducting 5 Why analysis, * Control certification relevant design change control * Solving in-market issues * Liaison with the VCA, designers, suppliers, test houses, and customers. |
| Education / Training |
| * Data Communications and Networks (Learning Tree) * CANalyzer Foundation course * CANoe Foundation course * ISO 9001 / TS16949 Quality Auditing training * Wireless Networks Configuration and trouble shooting (Learning Tree) * CMI Leadership and Management Diploma Level 3 * Network Configuration and trouble shooting (Learning Tree) * HTML Web page development (Learning Tree) * IBM Catia V5 Interrogation (IBM) * NISP Configuration and development Training (T-Systems) * Daimler Vehicle Electrical Systems   Swindon College, Swindon.   * ONC (National Certificate) * HNC (Higher National Certificate) * HND Advanced Maths (Higher National Diploma)   **Dorcan Comprehensive, Swindon.**   * 1 – A (Maths) * 4 – B (Science Double, Technology, Humanities) * 4 – C (English Double, IT, Art) |
| References |
| References are available upon request. |