

Resume

Mr Alan Piper



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16/08/1959

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Career History

June 2016 until May 2017 (Present contract ends end of 2017)

JAE Farnborough UK. (Japan Aviation Electronics)

Engineering Programme Manager for Automotive: JAE are a leading 2nd Tier supplier of Data signalling connectors and wiring harness subassemblies, designing and supplying the specialist wiring harness for high speed data requirements in modern semi autonomous and autonomous vehicles. I was responsible design,specification,pre production and development of these specialist cables and harness for Tier 1 automotive supplies of full vehicles wiring systems. Other duties were liaising with JAE manufacturing plants in Japan and USA,and internally with JAE demand and supply planning departments to oversee successful mass production delivery of these specialist wiring harness to the Tier 1 supplies. Duties also included design development of service and aftermarket specialist data signalling harness to the design requirements by the well established electrical/electronic distributor network that supplies the service and aftermarket automotive OEM service / aftermarket networks.

June 20015 to June 2016 .Have taken time out from engineering to assist partner setup and build private practice therapy centre responsibilities have been business planning, Website and Seo Construction, marketing duties.

June 2013 to June 2015 - Millbrook Proving Ground - Bedford. Electrical wiring harness lead engineer : This position was the launch of GM/Renault Commercial vehicle's (Trafic /Vivaro)" on sale to the public from 2015.Dealing closely with Renault in France and GM in Luton Manufacturing Plant. Service supplier responsibilities of design and ongoing product development for wiring harnesses, responsible for day-to-day project management of the wire harness routing and circuit control , wiring harness quality, warranty issues and cost reduction proposals. I was responsible for two staffs to assist me with my duties. I was also responsibility for DVP, FMEA, plant liaison, PPAP, functional prove out support, total value management and releasing responsibilities.I attend product design meetings,design reviews, CAD reviews,Program engineering meetings & product launch meetings with senior GM and Renault managers.

Jan 2012 to 2013 - Jaguar/ Landrover - Solihull Plant. Electrical wiring harness lead engineer : This position was the launch of the "All New Range rover " on sale to the public from 2013. service supplier responsibilities of design and ongoing product development for wiring harnesses, responsible for day-to-day project management of the wire harness routing and circuit control , wiring harness quality, warranty issues and cost reduction proposals. I was responsible for two staffs to assist me with my duties. I was also responsibility for DVP, FMEA, plant liaison, PPAP, functional prove out support, total value management and releasing responsibilities. I Attend concern meetings, design reviews, CAD reviews, I was. The role included working shift patterns to support the manufacturing plants 3 shift pattern and ensuring at all times Electrical harness design engineer was on site to support the prestigious new product launch, to deal with wiring harness, design. Manufacturing concerns.

Aug 2011 to 19/12/2011--- Ricardo- systems development: This position at Ricardo is Electrical distribution systems, EDS, electrical powertrain engineering on Jaguar and landrover products,- Project management and- implementation,- of electrical- Running- PMTs,- and PMST,s reporting to- management on progress. Following up -WERs, EFDVS, FMEA, WERS, DVP, GPDS, E -tracker processes and concerns, managing component engineers and activities.

March 2010 to present - Ford Motor company (Dunton) - Powertrain systems development: This position at Ford is Powertrain PTIM, Project management and implementation, of Powertrain,s Running PMTs, and PMST,s reporting to management on progress. Following up WERs, EFDVS, FMEA, WERS, DVP, GPDS, E –tracker processes and concerns, managing component engineers and activities.

AUGUST. 2009 TO DEC 2009 SERVICE RECEPTION MANAGER – MILLEND MOTORS ,RICKMANSWORTH. I was responsible for all aspects of service reception and manager duties, Dealing with

booking in clients, organising the day to day running of the garage, handling money, booking in and ordering of parts. Dealing with customers, and customer complaints. Keeping the service reception and waiting area in a presentable condition typing out and preparing invoices, costing up jobs and preparing estimates, costing up warrantee repairs for insurance companies, dealing with the garages service provides and suppliers. . This was a part time position of 5 hours a day.

AUGUST. 2009 TO DEC 2009 SOFT SERVICE OPERATIVE – KGB, C/O LOCAL HIGH SCHOOL, RICKMANSWORTH. I was responsible for all aspects of soft service duties for a major local high school, The duties were for the Maths Block, i was responsible for ensuring the good running of the Maths block, this included the Cleaning and tidiness of the Math block as this was the Schools Show piece building, I was responsible for ensuring the presentation of the 2 math computer Rooms were good order, this included in innovating and presenting the “when not in use “ of the 30 computers in each room that they were displayed in a ready to be used and pleasing lay out in presentation. I leashed with teaching staff on ensuring that all aspects of the required presentation and functionality of the block was as required for each and differencing requirements, Including. Day to day use of teaching of Children, preparation of Exam schedules and requirements for GCSE, “A” and “O” level for children taking exams, Adult evening classes, school governors and education authority reviews and Meetings, open evening and Parent –teacher events.

May 2008 to Dec 2008 - Jaguar- Land Rover Whitley/Gaydon - Powertrain EMS (Electrical Division): This position was with Jaguar -Land Rover, Working for the EMS powertrain division, my duties include full design, package, project management and engineering from Concept to customer of powertrain electrical and electronic systems, sensors and actuators in to the vehicle applications. I was responsible for engine wiring harness routing and circuit control, Full EUCD process, EFDVS, FMEA, WERS, DVP, GPDS, and E –tracker processes. I attend meetings and reviews with other engineering teams, Lead a PMST for EMS. I was responsible for producing and validating bill of materials, drawing and design checking, project management, interfacing and directing CAD teams, raise and follow through CRCRs and organise PPAP. I took this position when Ford split ownership of Jaguar -Land Rover. I was responsible for powertrain DW10, DW12, DISI Lion V6 and V8 Engines at Ford, the lead application for this 20011/12 MY powertrain were for JLR applications. Lead for 20012 MY is Freelander to meet EU5 20012 MY EEC Emissions regulations with DW12C engine. This was my focus at Jaguar Land Rover.

March 2006 to May 2008 - Ford Motor company (Dunton) - Powertrain electrical systems development: This position at Ford was of design and development of powertrain electrical systems, this was across the board role and responsibilities were to interface wiring circuit designs with engine and powertrain PCMs, sensors and actuators, develop prototype parts, interface dynamometer test equipment and wiring harnesses for powertrain testing. I attended PMSTs for engine engineering, component engineering and software engineering departments. Full EUCD process were followed , WERs, EFDVS, FMEA, WERS, DVP, GPDS, E –tracker processes. I also attend meetings and reviews, I was responsible for producing and validating bill of materials, drawing and design checking on Ford and Ford customer, (Jaguar, Land rover, Aston Martin) powertrain's. I was responsible

for powertrain DW10, DW12, DISI, Lion V6 and V8 , Fox, and Sigma, Engines, ensuring all mechanical and electrical teams were prepared and ready for 1st off engine test programs. I have an understanding of CAN and Databus applications.

March 2005 to Dec 2005 - Lear Corporation- (Cranfield) - Engineer Nissan Pr Lear

Corporation: This position was as Full-service - supplier with responsibilities for new product development for Nissan products, it included day-to-day electrical wiring harness design. DVP, FMEA reviews, I attend meetings and reviews , I managed (CAP-H) CAD team's and other engineering discipline teams . I was responsible for producing and validating bill of materials, drawings for wiring harness routing and circuits, and design checking processes, I was responsible for , liaising with Lear's wire harness manufacturing plant in Romania to ensure that design and design changes were followed through to meet build phase MRD dates. I followed through cost down Idea's and processes.

April 2003 to March 2005 - Ford- (Dunton) - Electrical systems engineer:

Bertrand/ Ford B-Car. This position was as PMST leader on electrical systems B-Car, dealing with electrical component and wiring harness suppliers and Ford manufacturing plants and teams to assure that engineering design for manufacture procedures were followed and cost targets met. I led PMST,s, attend meetings and reviews and quality audit processes, reporting of progress to senior program management. I was responsible for re-design and design of current and future model electrical systems. Working to/and improve where required Ford standards, I Facilitated, VAVE, FMEA, 8D events and CAD requirements to the design. Liaise with PVT for Fiesta and engineering responsibilities for vehicle. I had day to day contact with suppliers and discussions and reviews on wiring harness routing and circuits. I controlled test plans and processes ensuring that all the electrical systems and system teams interacted correctly to ensure that program time, procedures and metrics were met.

Jan 2002 to April 2003 - AFL- (FSS to Ford Motor Company) - Electrical wiring

harness lead engineer : This position was as full service supplier responsibilities of on-going product development for Ford Transit and Ford street Ka wiring harnesses, responsible for day-to-day project management of the wire harness routing and circuit control , wiring harness quality, warranty issues and cost reduction proposals. I was responsible for two staffs to assist me with my duties. I was also responsibility for DVP, FMEA, plant liaison, PPAP, functional prove out support, total value management and releasing responsibilities. I Attend concern meetings, design reviews, CAD reviews, I was responsible reporting progress and status to Ford senior management. I liaised with AFL manufacturing plants in Hungary and Romania; I was responsible for Instructing EDS, CAP-H and CAD engineers.

Jan 2000 to Dec 2002 - Vauxhall Motors-Millbrook (VEC)& Luton - Electrical wiring

harness engineer: This position I was responsible for vehicle electrical system for Vauxhall's 4X4 vehicle programs, which included day to day contact and instruction with wiring harness suppliers and Vauxhall's vehicle manufacturing plant to assure that quality procedures were being followed in both manufacturing and supply disciplines. I had an understanding of GM database GPDS, and PPAP procedures. I attend meetings and quality audits and was responsible for reporting of progresses. I was responsible for the

investigation and evaluation on high warranty return items . I was the team leader on the electrical systems dealing with electrical component and wiring harness teams. I controlled test plans. I was responsible for current and future model wiring harness design, working with GM standards, working to cost reduction targets, FMEA, 8D and CAD. I was responsible for design and checking of harness circuit and routing drawings.

April 1994 to Dec 1999 - Ford Motor Company - Systems design engineer

(Electrical product vehicle team : I was team leader on electrical systems for B-Car SVE products (Ford Puma) and responsible for all electrical components and wiring harness design's and releasing, Instructing suppliers and Introducing change processes and tooling requirements within ford manufacturing plants. I was responsible for reporting of progress to senior program management. I was responsible for CAD, circuit and wire harness routing, all electrical component package, new switch and sensor designs . I also had some responsibility for body electronics systems including electronic modules, and external lighting components working to/and improving where required Ford standards. I Facilitated, VAVE, FMEA, 8D events and CAD. I ran the electrical launch team and then PVT for Puma for all electrical and engineering responsibilities for the vehicle. I controlled test plans and processes ensuring that all the electrical systems and system teams interacted correctly to ensure that program timing and procedures were met. I Moved with the Program to Koln in Germany for two years on the Puma program and was responsible for the Launch of both variants of the 1.7 and 1.4 versions. After the launch of the Ford Puma I returned to the UK represented the PVT in Dagenham for Neihl plant & Fiesta/Puma in all electrical disciplines.

1990 to 1994 - Alan- Dental and Medical - Dental equipment

engineer: My responsibilities in this position were to assess with the Dentist the needs of the Dentist practice equipment and services required. Services included such services as sharps removal, equipment included items such as autoclave, Lighting, Dentist drill, compressor. My responsibilities included installing, commissioning, test and service of this equipment. My duties also included also the handling of disposable and Sharps equipment and legal disposable.

1984 to 1990 - Lucas Bradley Defence/Aerospace - Design and Development

Engineer: In this position I was responsibilities design of new defence- programs electrical and electronic systems, architecture, component and wiring loom content. Lucas Bradley Had the Contract with the MOD to design development, test and approve the whole MVC80 (later to be know as the warrior electrical and electronic, and electrical power systems, of DC 28v and 3Phase AC generators and battery packs. There was a small team of 10 of us who had overall design, development, test and verification of the whole electrical system. I was responsible for system design architecture of wiring harness both routing and circuits as well as cable class. I was responsible for the writing of test specification. I was also responsible for type approval reports, Modelling, producing and validating bill of materials, drawing and design checking, raise and follow through CRCRs and deal with suppliers, I was responsible for commission test rigs and validation equipment. Working to a close understanding of DEF STAN 61-5 and MIL SPEC I was responsible for test, inspection and reporting criteria that comes with MOD and Defence systems design requirements. I

.attend meetings and audit processes for reporting of progress for and to the Military, MOD and NATO, the submissions of written and publishing of the system performance data to-DEF STAN . I work on high profile project involvement in the following programs.

MCV 80 (Warrior Fighting Vehicle) -. Electrical/ Electronic systems design & Test engineer (L.B.E Defence/GKN)

Challenger II-- (Fighting Vehicle)-Generator and APU-- systems engineer- (.LB.E)

Air Bus-- (A320)-Electrical systems- (Lucas Aerospace)

AS90- Fighting- Vehicle - Electrical systems – (L.B.E / Vickers)

Sea Harrier- (Defence Aircraft) -Electrical systems- (Lucas Aerospace)- Tornado- Defence Aircraft-Electrical Systems- (Lucas Aerospace)

VERDI-(Vehicle electronic research for defence initiative) – (L.B. E / R.A.R.D)

1983 to 1984 - Green Line coach company, Kent - Electrical systems engineer :

I was responsible for the engineering , service , maintenance ,design and re-design and implementation of commercial vehicle electrical systems.

1981 to 1983 - KCC Highway, Maidstone, Kent - Electrical systems engineer :

I was responsible for the engineering , service , maintenance ,design and re-design and implementation of earth moving , road building, construction plant and emergency services vehicle electrical systems.

1980 to 1981 Volvo Trucks UK - Electrical systems engineer :

I was responsible for the engineering , service , maintenance ,design and re-design and implementation of Truck vehicle electrical systems.

1975 to 1979 - National Bus Company, Postley works, Maidstone, Kent.

I was an Apprentice Automotive Electrical Engineer.

Professional Education, Training and courses attended:

Dec 1983	Leyland Vehicle British Leyland	Leyland Electrical
Systems		
Technical Authorship	Lucas Defence System	1984 to 1990- (On going in
service training)		
Technical Draughtsmanship.	Lucas Defence System	1984 to 1990- (On going
in service training)		
DEF-STAN & BS570	Lucas Defence System	1984 to 1990- (On going in
service training		

AQAP in service training)	Lucas Defence System	1984 to 1990- (On going
Hitachi CAD-Core	Hitachi, Colindale, London	July 1990
WERS-	Ford- Dunton	
Facilitated FMEA	Ford Dunton	1994 to 1996
DVP&R Processes	Ford Dunton	2003
Testnet procedures	Ford Dunton	1994- & 2003
8D 8 Problem Solving	Ford, Neihl, Koln	June 1997
EDGS, Electrical CAD	Ford Merckenich, - Koln	1996 to 1997
Facilitated V A V E	Ford Merckenich, - Koln	1996 to 1997
AIMs	Ford /AFL	2002- (On going in
service training)		
Design Change Note (DCN) -	AFL	2002- (On going in
service training)		
TCM (Total cost management) -	AFL	2002-- (On going in
service training)		
DVP&R Processes	Vauxhall- VEC	Millbrook2000 / 2002
EFDVS 1/2/3	JLR	2008 Jaguar /Land rover
WERS	JLR	2008 Jaguar / Landorver
Diploma in health,safety & welfare in the construction Industry		Edexcel 2012
Diploma In Science and Materials in the construction Industry		Edexcel 2012
Diploma in Technology and design in construction and civil engineering		Edexcel 2012
Renault (Product development and release systems)		2013
Recognition and thanks Ford Powertrain development		Ford 2010
Certificate of Achievement Hazard recognition and survival skills Advance driving, in conjunction with Millbrook Proving Ground and Bedfordshire Police.		Millbrook 2013
Certificate of Achievement Skid Car & Collision avoidance advance driving in conjunction with Millbrook proving ground and Bedfordshire police :		Millbrook 2013

Other Information about me.

I am a keen water skier and ski with the RWSC; I am also a licensed hypnotherapist and hold a Usui Reiki masters degree. My past interests include motor sport and some years ago raced motorcycles for the Aces grass track/speedway club.

Co founder of changez charity that provided Alternative and complementary therapy that attracted attention in 2009 as it had the Rt Hon Vince Cable MP as patron and also had interest from Duchess of Cambridge Kate Middleton as a Patron.

https://en.wikipedia.org/wiki/Changez_Charity

I am also have qualification in CLinical Hypnotherapy,Psychotherapy and philosophical counselling and Reiki Master and Hold the qualification GHR/GHSC, (General hypnotherapy Register & General hypnotherapy Standards Council).