

Curriculum Vitae

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Date of Birth: 22nd August 1973

Education:

- 1995-1997:** BTS in Plastic Injection Tool Design (France)
Equivalent to HND alternating 2 weeks at college and 3 weeks in a company (Amphenol Socapex) Study of the followings: Plastic injection Mould tool & Plastics components design.
- 1992-1994:** Technical Baccalaureate Material Processing (France) Equivalent to A-level Study of: Plastic materials & Manufacturing Processes (i.e.: Blow moulding, injection moulding, Plastic Sheet processing, extrusion...)

Work Experience:

2020-Present: Convert Design

Job title: Director & Mechanical Design Engineer (Siemens NX)

Project: Design & development of monitoring clamp-on device for pipeline for Dashboard in Exeter. Design involves updating previous design based on earlier prototype to increase ease and consistency in use. Design assembly and manage suppliers for RFQ. Manufacturing and Production support, support on all aspect of project management to fill in space of manufacturing and quality engineer, I had to work with the customer team to also develop & design the Electronic side (enclosure layout, Solar Panel, and fixings to meet ATEX zone 1 & 2.

2019: Dyson Automotive Research & Development

Job title: Mechanical Design Engineer (NX11)

Project: Chassis Mechanical design engineer looking after hardpoints, Front & rear Kinematic, looking after all CAD components clearances. Creating proposal of new design for link arms to meet Aero targets underbody using 3D modelling and Surfacing, managing all packaging reports to clear issues and manage PMT cross functional issue with other PMTs.

2013-2019: Aston Martin Lagonda

Job title: TVM Project Design Engineer (NX10)

Project: cost saving activities through redesign of components (Chassis, interior, exterior, structures, Base engine, and mechanisms redesign parts from a casting to a plastic part to lower piece price, Aluminium extrusion or sheet metal to plastic moulded parts (PMMA, PC/ABS for interior parts...) and carbon fibre components

2012-2013: Webasto Roof Systems

Job title: Design/Lead Engineer (I-deas, NX7.5)

Project: Develop & Lead Team on Technical area With English and French Team for Nissan Sunshade & Sunroof assy, problem solving all the issue found during testing and validation, post-mortem of tested assemblies to find root cause, modify design to eliminate issues found. Update DFMEA, package checks, meeting with customer,

management review of project with project manager, Research with French team and supplier (French speaking)

2011- 2012: Worcester Bosch Group

Job title: Design Engineer (NX4, NX7.5)

Project: Design of Boiler dashboard (control unit) including draw mechanism Following design studio sketch and recommendations. Combination of plastic moulding and sheet metal bracket within a boiler design concept. Managing creation of prototype samples for Management design review. Now in production to this day

2008- 2011: Aston Martin Lagonda

Job title: Design Engineer (I-deas, NX5)

Project: Redesign of parts in any area of vehicle (Chassis, interior, exterior, structures, Base engine, and mechanisms) change of process involved in redesign. Machine from solid changed to casting, Aluminium extrusion to plastic moulded parts

2007- 2008: Superform Aluminium: Tier 1 level supplier in automotive & aerospace

Job title: Design Engineer (Catia V5 R16)

Project: Feasibility and modification of tool for aluminium super forming process. Aston martin footwell tool modification (surfacing work), Aston martin bulkhead panel, creation of 1 part in surfacing, to reduce blank size and cost....
Nose skin for Sonaca aerospace, project management with French speaking customer
Lamp drums for airbus, project management up to first article inspection for production.

2005-2007: Magal Metallifature: Tier 1 level supplier in automotive industry

Job title: Design Engineer (Ideas C3p 10.1, NX11 m2, Catia v4

Project: Feasibility and Design for Aston Martin pedal Boxes (6 variants) Involving plastic and metal pressing design as well as project team Leader (APQP standard). Spring Rates calculation, Tolerances stack-up calc., Dfmea, Spring Characterisations Curve, over centre spring to assist on a clutch pedal. Park brake assembly studies including variable ratios, Car scissor and Y Jacks design, tyre carrier winch, and translation between French and English of test specifications, European standards...

2004-2005: Plastic Omnium: Tier 1 level supplier in automotive industry

Job title: Cad Designer (Ideas c3p v10.1)

Project: Feasibility and Design of a Rear Bumper Assembly for the restyling project of the existing Jaguar XJ including all the internal parts such as Low impact Foam and Pucks, rear lower valance, integrated tail pipe finisher (all in surfacing).

2001-2004: Nifco: Tier 2 level supplier in automotive industry

Job title: Cad Designer (Ideas c3p v10.1)

Projects: Thermostat Housing for 4ltr V6 Engine for Ford Detroit

- Dashboard Component for Nissan: Pocket deck Improving Mechanism and fit into the car
 - Bumper Bracket for Mazda: full design and modification of parts , Compensation of distortion during injection process by designing a new part which will have calculated thickness and voluntary distortion to have the right shape after shrinkage.
 - Project leader and translation support in Nifco Spain plant for air con.
- Fascia and Door Handle project for French 1st tiers supplier Faurecia-Meru, problems solving in complex assemblies

2000-2001: Moldsystems: Toolmaker (Formally JJ engineering)

Job Title: Design Engineer

Plastic injection tool design on Unigraphics CAD software (up to v17), surfacing and modelling mould tool in 3D and 2D Drafting

1997-1999: Gilac: supplier of Bathroom accessories and Artefact (France)

Job title: Plastic injection tooling maintenance and surrounding workings (Hydraulic jacks, Pneumatics systems...)

Skills: French native, fluent in technical and conversational English, motivated, problem solving, Happy to work in a team.

Interests: Trekking, Camping, skiing, Radio controlled Models, Supercars.