

Theo Odunlami

EDS and Electrical Packaging Engineer at DAU DRAEXLMAIER AUTOMOTIVE UK LIMITED
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Summary

PROFESSIONAL PROFILE: A Certified, result-driven Designer / Project Manager, with over 12 years solid background in Automotive, Aerospace, IT Change Management, and Database Management. Master of Collaborative Enterprise Sourcing, Concurrent Engineering Principles and Configuration Management. Using Catia V5, Ideas NX, UG NX, Team center, Smart Team, Metaphase (Database Systems) to meet and exceed customer's requirement.

PROFESSIONAL SKILL SET: Excellent Analyst, Focused Leader, Enjoy Solving Problem, Experienced Team Builder, Brilliant Negotiator and Experienced People Manager, Scope Writer, Top Planner and Risk Manager. Prince 2 Certified and Ready to Deliver.

IT Skills: Computer Hardware/Network Engineer, Database Administration (Oracle) Metaphase, Software Tester, Excellent Web Developer, Good HTML, PHP, VB, Dream Weaver, Unix and Suse Linux 10.1 Skills. Excellent User of Microsoft Office Suit, 3D Studio Max, and Adobe Acrobat.

Engineering Skills: Analyst Designer of Interior Trim, Seats, Vehicle Packaging Engineering with Knowledge Base Tools, Chassis Design, Vehicle Architectural Design with Full Product Life Cycle Support, Brakes Design, Engine / Power Train Design and Suspension Design.

Expert user of the following: Ideas 11NX, Catia V5 R14, Unigraphics NX, Vis Mockup 4.1.

Dedication: My dedication and enthusiasm to project success is supported by my after-hours participation in project-related activities, speaking at user group meetings and at conferences. A friendly and hard working person who can be trusted to handle difficult situations. Well organised (expert user of personal organiser), dedicated, accurate, thorough, and punctual, with meticulous attention to detail and follow-through; Personal commitment to professional development and life-long learning.

Specialties: Key Achievements:

- Standardisation of the Temperature and Pressure Monitoring System (TPMS) between Jaguar and LandRover.
 - Implementation of Vehicle Architecture layout using PAS Tools at Aston Martin.
 - Key Player in the successful implementation of Digital MockUp and review process at Nissan NEC.
 - Successful Implementation of solution to Noise, Vibration and Wear Issue on Electric Park Brakes System at Jag.
 - Successful Transfer of Business Class Seating Project from USA to UK.
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Experience

EDS and Electrical Packaging Engineer at DAU DRAEXLMAIER AUTOMOTIVE UK LIMITED

June 2014 - Present (2 years 10 months)

Electrical harness design and packaging of Engine Harness in Line with JLR SDS design guide lines.

Electrical Packaging Engineer at Jaguar Land Rover

September 2013 - June 2014 (10 months)

Electrical Packaging of Electrical Modules, Like wiper, TPMS systems, Infotainment Units, Body Control Units, Antennas, Head-up Display etc.

Electrical Design Engineer. CAD. Electrical Work bench Catia V5 at Lear Corporation

November 2011 - August 2013 (1 year 10 months)

1. Use of EWB on Catia V5 to resolve electrical harness issues.
2. Aims and e-tracker resolution.
3. Electrical Vehicle Packaging.
4. Major issue resolution.

Senior Executive at Utility Warehouse Plc

February 2006 - December 2011 (5 years 11 months)

Independent Distributor. Sales of Gas, Electricity, Broadband, Mobile communications, and Home Phones at competitive Price in the United Kingdom. Company recommended and voted by which magazine the best utility supplier. Interested in lower bills and Cash back on all you house hold spending? Then contact me.

Electrical Design Engineer. CAD at R&D Vehicle Systems Ltd

June 2011 - October 2011 (5 months)

- Design of Master Junction Boxes and Main Boxes for Electric Vehicles on Catia V5.
- Product support, Vehicle Packaging of Electrical Systems and Components into Electric Vehicles.
- . Design Brackets for wiring and component assembly and support for cable routing. Support Design and Build process.

SENIOR CONSULTANT CAD DESIGN ENGINEER at Ford Motor Company

April 2010 - May 2011 (1 year 2 months)

Interior Design and Development. Using Catia V5

SENIOR CONSULTANT PACKAGING DESIGN ENGINEER, at KOTAK Associates Ltd

January 2009 - May 2011 (2 years 5 months)

- Management of Design and development of a new product. Conceptual styling surface and concept evaluation. Packaging Analysis to validate Design intent, feasibility and reporting findings. Generation of Catia CAD parts (NX CAD Modeling) for prototype assembly to prove design feasibility. Carried out market research to evaluate product requirement and understand customer acceptance of product. Production of Prototype parts and getting retailing outlets ready for sale start-up.

- Assess supplier's capabilities for supplier selection and obtaining quotations for work packages, circuit Boards, Programming and plastic injection molds. Worked out injection molds for exterior casing and obtain quotations for parts. Working all the time with Chinese suppliers.
- Working across functional system to resolve design issues and optimize functionality. Stress Analysis on component parts to determine CAE requirements on parts.
- Coordination of prototype assembly and resolution of issues based on testing and validation of functions, including the software embedded in the product.
- Working with funding partners to justify development cost and product viability in the market.
- Planning of product complete life cycle (design through to marketing and sales) with primavera P6
- Project is worth £2 Million.

CAD Support Engineer at Williams F1

November 2009 - February 2010 (4 months)

CAD Support Engineer. Support Design Engineers On NX6. Design and development of F1 racing Cars.
CAD design Support Engineer. Helping Designers get out of bottle necks.

Consultant Design Engineer at Jaguar Cars

October 2008 - December 2008 (3 months)

CONSULTANT PACKAGING ENGINEER,

- Design and development of JLR LRX Console from conceptual styling surface. Using Team Center Engineering for concurrent Design and Development. Packaging Analysis to validate Design intent feasibility and reporting findings. Generation of CAD parts for prototype assembly to prove design feasibility.
- Working across functional system to resolve design issues. Modeling of parts that is fit and functional to deliver design intent from conceptual ideas using Catia V5 R16. Highlight critical design issues and working out solution to resolve issues working with surrounding system owners. Holding net meeting on line with relevant parties and deliberating on solutions to capture best solution to design issues and working in a systematic way to achieve design intent.

MD CEO at KOLtech Design Limited

March 2007 - November 2008 (1 year 9 months)

CONSULTANT PACKAGING ENGINEER at FORD MOTOR COMPANY'S DIESEL CENTRE, Dagenham.

December 2007 - October 2008 (11 months)

- Design and development of Gasoline engine in line with the Dassault Systems Power Train Design methodology. Using Relational Design Methods. Using Team center Engineering (TCe) to manage Design Context Assemblies. Packaging Analysis of Parts in Team Center,

- Working across functional system to resolve design issues. Modeling of parts that is fit and functional to deliver design intent using Catia V5 R16. Highlight critical design issues and working out solution to resolve issues working with surrounding system owners. Holding net meeting on line with Digibuck as the enabler.
- Working with Dassault in house specialist to establish best practice and turn lessons learn to working practice.
- Packaging of Engine cross carline.
- Producing design reports.
- Attending Design reviews to communicate solutions and report new requirements back to Germany.

CONSULTANT DESIGN ENGINEER at Tata Motors European Technical Centre.

August 2007 - November 2007 (4 months)

VEHICLE PACKAGING AND CONCEPTS.

- Packaging of a 4X4 SUV. Job involved construction of solids and surface parts in Unigraphics NX4 and Catia V5 using parametric modeling free form surfaces to represent design intent. Kinematics and schematics of Seats to define the optimum seating position SGRP and human posture. Using V5 Ergonomics Design & Analysis tool sets, Human Builder and posture analysis.
- Seat design and functional definition to establish optimum operation and packaging of seats. Define Zones and relationship between Manikins and seat reference points. Establish requirements for optimum seating position. Comfort analysis.
- HVAC UNIT Packaging in line with current unit. Provision of Packaging zones for optimum solution to attain design requirement.
- Use of Unigraphics NX4 General Packaging tool set to provide, Belt Anchorage, Eyellipse, Interior Panels study, Mirror Certification Vision Zones, Hand reach zones Engine Roll and Tire Envelopes.

CONSULTANT UG NX4 DESIGN ENGINEER. at Cosworth Racing Ltd.

May 2007 - August 2007 (4 months)

- Engine Design and development of Component parts, Jigs and fixtures. All parts involved construction of solids and surface parts in Unigraphics NX4 using parametric modeling free form surfaces to represent design intent. Kinematics and schematics of engine to predict performance and characteristics
- Use of SAP to drive Product Design and Development data management. Use of SAP to drive engineering change and financial calculation of cost time to delivery and monitor product design and development progress.
- Use of SAP to migrate Engineering Data base from Unigraphics NX2 to Unigraphics NX4. Engineering Drawing release and Approval process. Concurrent Engineering Design process to promote flexible team working (workflows). Detailing of parts and production of 3D CAD models from legacy Drawing sheets.

CONSULTANT UG NX DESIGN ENGINEER. at Dyson Appliances Ltd

April 2007 - May 2007 (2 months)

- Production of plastic Injection molding parts, Jigs and fixtures. All parts involved construction of solids and surface parts in Unigraphics NX2 using parametric modeling free form surfaces to represent design intent.

- Remodeling of existing defective parts to correct modeling standards and introducing parametric expressions that will convey actual design intent.
- Integration of new changes to design and production of rapid prototypes for design study.
- Organising design reviews on regular bases with the project board and briefing project team on new requirements.

CONSULTANT V5 DESIGN ENGINEER. at Cooper Standard Coventry

January 2007 - April 2007 (4 months)

- Production of Jigs and fixtures for testing purpose. All parts involved construction of solids and surface parts in Catia V5 and using parametric modeling.
- Production of parts required by tool makes to produce machined parts for testing, involves extensive surfacing.
- Production of weather strips or seals for doors to stop water egress on development cars.
- Production of section books for later translation to AutoCAD.
- Assisting with data management and data transfer Team Centre Engineering and FTP.
- Experience of CATIA Version 5 R14.

CONSULTANT VEHICLE INTEGRATION ENGINEER. at RICARDO CONSULTING LIMITED Leamington Spa

July 2006 - December 2006 (6 months)

- Production of Vehicle package analysis drawing, design analysis with interpretation of product information in line with Global design standards of Information exchange.
- This involves implementing and overseeing appropriate methodology, liaising with relevant Departments and external stakeholders, periodic evaluation on Design status.
- Subject matter expert in systems integration and design. Assisting in the introduction of new PDM System, best working practice in the Vehicle design team. Setting standards and assisting in identifying better working methods and Practice in line with business methods. Training other team members.
- Assisting with data migration of Catia V5 R14 design data from existing data base to Team Centre Engineering.
- Working out parts releasing methods using Team Centre Engineering.
- Experience of CATIA Version 5 R14.

CONSULTANT AEROSPACE DESIGN ENGINEER. at Ultra Electronic Aerospace Cheltenham Gloucestershire

January 2006 - July 2006 (7 months)

- Design and Development of Aero Engine Monitoring System on Unigraphics NX3.
- Production of Detail Drawing to specified standard.
- Subject matter expert in systems integration and design Ideas and Smart-Team. Assisting in the introduction of new PDM System (Smart-Team), best working practice in Aero Engine design. Setting standards and assisting in identifying better working methods and Practice in line with business methods.

- Liaising with customers and suppliers to resolve design issues
- Assisting with data migration from V4 to UG NX base on Smart-Team.
- Working out parts releasing methods using Smart-Team.

CONSULTANT ENGINEER-CHASSIS ENGINEERING. at Jaguar Land Rover

January 2002 - December 2005 (4 years)

- Design of Foundation Brakes from conceptual stage to production and product launch on multiple car programs.
- Management of Design issues with the use of Aims and Issue tracking log.
- Subject matter expert in systems integration and design, in line with C3P methods. Assisting to mentor and impact best working practice in the design team.
- Negotiating with other design modules or integral systems teams to produce design solutions.
- Ownership and resolution of design issues.
- Construction of Solid Model parts using Catia V5, Team Centre Engineering, Ideas NX, and Metaphase.
- Release of parts through the part releasing system (PPM Audit Metaphase and Team Centre Engineering).
- Production of Master Assemblies and Animation of Assemblies using Assembly constraints and Harness Design.
- Liaison with visiting Suppliers, Product Engineers and other members of the team to achieve on time product delivery.

CONSULTANT ENGINEER-VEHICLE INTEGRATION at Aston Martin Lagonda Ltd

April 2000 - December 2001 (1 year 9 months)

- Responsibility includes assisting in the introduction of C3P methods as a design tool during the transformation of Aston Martin Design methods.
- Subject Matter expert responsible for Package delivery of the power-train and interior packaging assessment and providing leadership in design verification.
- Other duties include Master Package Championship for Gearbox Design, Electrical components, Fuse Boxes and instrument panels. Gearbox design and configuration. Providing updates on design issues and liaising with Engine and power-train department to evaluate conformity to engine stuff up design rules.
- Production of Vehicle initial architectural requirement using knowledge base tools to define design parameters like vehicle ground clearance, occupant seating position and vision zones, Pedestrian impact zones head clearance and other zones crucial for the successful delivery of the program to design specification.

Design Engineer. IDEAS SPECIALIST ENGINEER. at NISSAN TECHNICAL CENTRE EUROPE LTD. Canfield.

December 1999 - April 2000 (5 months)

- Team Leader, Digital Mock-Up and Design Review Project (DMDR). Use of ideas to prove design conformity to design requirement.
- Responsible for the production of Ideas Master Package process in an environment with limited ideas usage.

- Transfer of CAD data from SPURT and Alpha CAD II to IDEAS, checking data quality and repair, parts interference in assemblies and package study.
- Responsibility includes construction of Solid Models, Production of Master Assembly and Animation of Assemblies using Assembly constraints and Mech. Designs for Presentation of Design Intent.
- Generation of new NISSAN design procedures. Liaison with Suppliers, Product Engineers, Technology Partners and other members of the team to meet deadlines and set up the DMDR session.
- Other duties include production of design issue list. Introduction of a new TDM (Team Data Management) Platform for Ideas Master Series 7.1. Acting as a technical aid to other MS7 users.

ANALYST / DESIGN ENGINEER at Jaguar Land Rover

February 1999 - December 1999 (11 months)

- Design of Jaguar Motor Car Interior (Seating Products & Occupant Safety Devices X350 and X202 Programs).
- Responsibility includes construction of Solid Models, design drafting for Production, Master Assemblies and Animation of Assemblies using Assembly constraints and Mech. Designs in accordance with the C3P Design Methodology.
- Liaison with Suppliers, Product Engineers and other members of the team to achieve Total Quality Products.
- Other duties include Master Package Champion and Metaphase Update, attending design reviews and reporting findings. Product Data Coordination for Seating and Interior Trim.

CAD DESIGN ENGINEER at LEAR Corporation. Basildon, Essex

June 1998 - February 1999 (9 months)

- Design of Ford Motor Car Interior (Seating Products C212 Program). Responsibility includes construction of Solid Models, Production of Master Assembly and Animation of Assemblies using Assembly constraints in accordance with the C3P Design Methodology.
- Liaison constantly with customer, product engineers, suppliers and other members of the team to achieve Total Quality Products. Other duties include working out concept to fulfill design intent, attending design reviews and reporting findings.

CAD DESIGN ENGINEER. at B/E Aerospace.

February 1995 - May 1998 (3 years 4 months)

- Design of electromechanical Business Class Seats for Aircraft Packaging of in flight Entertainment System, Electrical Panels, Cabinets, and switch Gears to BS 308. Customer facing and Liaison with customers to obtain request and generation of design solutions in line with Aerospace reg. and Quality standards.
- CAD packages used are Autocad, IDEAS, UNIGRAPHICS. Structural testing, writing test reports and Service Bulletins for Seat operation and Maintenance. Also seat Modifications reports, using Microsoft Office Applications and Math CAD.

- Set-up and implementation of the MRP. II currently used at the machine center for the production of parts and assemble. Cad data migration from 2D drawing to MRP. II and management of manufacturing process data.
- Design team leader for the Ambiance Seats transfer for Litchfield Connecticut USA to Leighton Buzzard England and Drawing Checker in Line with Aerospace standards and BS308.

AUTOCAD DESIGN ENGINEER. at Scropio Technical Ltd.

February 1992 - April 1993 (1 year 3 months)

- Production of Electromechanical engineering drawing to British and American Standards. Detail design, assemble drawing and production of working drawing.
- Typical projects include, plant handling tools, power transmission gear trains, steel and aluminum sheet fabrication for production of communication box and filling cabinet.
- Customers include Cable Metals, Rover, Lay Land, R.G Branch etc. Introduction of data management system to manage design information.

AUTOCAD DESIGN ENGINEER. at Eltron Chromalux Limited, Croydon.

September 1991 - January 1992 (5 months)

- Product of electromechanical drawing to British Standard 5500 and American Standard ASMI VIII. Detailing, assemble drawing and piping layout.
- Stress Calculation and determination of working pressures, minimum vessel thickness, maximum working temperature using specialist programs like Finglow System X1 and X2.
- Introduction to Autolisp. Use of Autolisp to increase drawing speed and accuracy by introducing template drawing.

Volunteer Experience

President at BIFOBA UK Chapter

August 2012 - Present

Organising fund Raising Events for my Secondary School.

Life Long member of BIFOBA with keen interest in alumni issue and my School future development.

Planing reunions and bringing old and younger members alike together.

Understanding that Together we can do more.

Senior Recruiter and volunteer at Labors of Love medical mission.

February 2014 - Present

1. Found Doctors and Nurses for the medical mission to Africa.
2. Medication collection, storage and transportation from U.K to Lagos Nigeria for the mission.
3. The arrangement of tickets and visa to Africa.
4. Delivery of the project in Lagos nad Ife Nigeria, Africa.

5. Media support for Labors of Love mission.

All pictures on Facebook in Labors of Love (LOL) mission.

<https://www.facebook.com/lolmission/>

Donation at BBC Children in Need

January 2013 - Present

Monthly Donations to the cause.

Skills & Expertise

Automotive

Engineering

Manufacturing

Catia

CAD

Product Development

Problem Solving

Cost Reduction

Electrical

Team Leadership

Automation

Vehicles

Change Management

Program Management

Six Sigma

Lean Manufacturing

Analysis

Kaizen

Transmission

Consultancy

Benchmarking

Continuous Improvement

Modeling

ISO

Engineers

Planning

Testing

Project Planning

Electricians

Management

SAP

Strategy

Training

Start-ups

MS Project

Leadership
Team Management
Team Building
Business Planning
Teamcenter
Process Engineering
Business Process
AutoCAD
Market Research
Design Engineering
Quality Management
Injection Molding
Business Process Improvement
Procurement
Cross-functional Team Leadership

Education

London South Bank University

MSc., Engineering Products Design, 1993 - 1994

Activities and Societies: • Design and Construction of a Car Adaptable Wheelchair for Paraplegic Patients as Final Year Project in Completion of my M.Sc degree in Engineer Products Design.

Willesden College of Technology London.

C & G 230, COMPUTER AIDED DESIGN., 1990 - 1991

Yaba College of Technology

HND, H.N.D. MECHANICAL ENGINEERING (PRODUCTION OPTION)., 1983 - 1988

Birch Freeman High School

W.A.S.C, High School/Secondary Diplomas and Certificates, 1977 - 1982

Grade: School Certificate

Activities and Societies: School Chapel Prefect, School Christian Student Union, Soremekun House in Schools inter house club, Football.

Certifications

Catia V5 Electrical work Bench

Dassault Systèmes

New Manager Fundamentals

LinkedIn October 2016

Organizations

NSSFF

Organizing committee member

April 2013 to Present

Languages

English

Yoruba

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8 people have recommended Theo

"What an excellent service. Speedy with constant communication on progress for signing up to Utility Warehouse energy supply services"

— **Alex Oke**, was a consultant or contractor to Theo at Utility Warehouse Plc

"Theo works well with his team and is a conscientious, highly motivated individual who strives to succeed in all that he does. Theo is working on site at our customers premises and is very much respected by his colleagues. We look forward to a continued long term business relationship with RLE International Product Development Ltd."

— **Wendy Mackenzie FIRP CertRP**, was Theo's client

"Theo is a dedicated and proficient design engineer, he always try so hard to superced expectation."

— **Alex Oke**, was Theo's client

"I've worked with Theo in the past and found him to be a very experienced and knowledgeable contractor, his commitment and professionalism is second to none and it is a pleasure to have worked with him."

— **Alan Hunte**, was with another company when working with Theo at Ultra Electronic Aerospace Cheltenham Gloucestershire

"I have worked with and known Theo for a number of years on various automotive projects at Jaguar and Ford. I cannot speak highly enough of Theo's work commitment and professionalism and it is a pleasure to have worked alongside him, he is very articulate and precise in all that he does and helps all he works with and would strongly recommend Theo to any company."

— **Alan Jones**, worked directly with Theo at Jaguar Land Rover

"I worked with Theo at Jaguar cars within the body and trim area; Theo is extremely proficient in product design, being technically accomplished and an effective problem solver who consistently achieved highly efficient deliveries. Being approachable and good humoured he was an excellent team player who fostered cohesion and lasting business relationships with colleagues."

— **Edward Giblen**, worked directly with Theo at Jaguar Land Rover

"Theo successfully completed his MSc in Engineering Product Design with us - quite some time ago now. I remember him as being keen to carry out good work and to develop his thinking processes and design abilities. I believe that he has carried on that positive approach since graduating and has held some interesting jobs since."

— **Chris Dowlen**, taught Theo at London South Bank University

"Theo is an extremely hardworking individual with an extra ordinary flair for product design. I would recommend Theo to any employer who wants to get a job done properly and professionally"

— **Femi Onakunle**, studied with Theo at London South Bank University

[Contact Theo on LinkedIn](#)