



**DINESHKUMAR.K**

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## Objective

Accomplished Automotive Professional with **11 years** of OEM experience in **Design and Development of Wiring Harness** seeks to leverage technical and professional expertise that supports business objectives and organization growth.

## Work Experience

- **Currently working as High Voltage Designer at NEVS, Sweden** since Nov'2022.
- **Senior Technical Lead** at Motherson Technology Limited since May'2022-Oct 2022'
- **Assistant Manager at Renault Nissan, Chennai** since Apr'2018-Apr'2022.
- **Senior Engineer at Renault Nissan, Chennai** since Apr'2015 – Mar'2018.
- **Engineer at Renault Nissan, Chennai** from Sep'2012 – Mar'2015.
- **Graduate Engineer Trainee at Renault Nissan, Chennai** from Sep'2011 – Sep'2012.

## Profile Summary

- High Voltage and Low voltage Harness responsible from Concept selection and Evaluate Feasibility of EDS Perspective at NEVS.
- Lead Circuit design responsible for complete wiring harness design & development for new advanced lot designed at Nissan Technical Centre, Japan (through RNTBCI-ODC).
- Topology study Expertise on Future Architecture study (Domain Concept, Efficient unit, Buddle Dia Study, etc.)
- Expertise in creating Circuit Schematics, 2D Layout drawing and 3D data.
- Involved in vehicle manufacturing build to review workability, rattle/squeak checks, Safety/Security evaluation to ensure Harness quality, durability & reliability.
- Proficient in Technical feasibility study and D&D cost estimation for impact Harness parts due to new spec introduction and model year changes.
- Expertise in Electrical EE studies such as terminal voltage drop, resistance calculation, fuse matching and FFL, wire size selection, protection selection.

## Achievements

- Certified Topology Designer
- Certified Lead Circuit Designer
- Nissan Certified NX User-C2
- Harness work procedures efficiency improvement by automation.
- Got appreciation for Topology concept study & Proposal

### Software Skills

- Zuken Cabling Designer 14.0 / Zuken Harness Designer 14.0
- Topology Designer
- Team Centre 10.1.6 and NX CAD 11
- Solid works Electrical
- MS-Office 365

### Core Competency Skills

- Comprehensive expertise in wiring harness design of ICE, HEV, PHEV and EV vehicles.
- Concept Circuit Design, Proto Vehicle Circuit Design of HEV, EV vehicles
- Experienced in project management driving team members, guest engineers, suppliers, buyer, production engineering & supply chain to meet project milestones.
- Good communication skills to work efficiently with off-shore and on-shore CFT.
- Strong understanding and knowledge on automotive electrical distribution system.
- Good exposure to advanced technologies& Circuit Design.
- Hands on experience in Harness Benchmarking to understand the best practices.
- Experienced in handling the serial life projects and managing BOM system.
- Proficient in Harness manufacturing and assembly processes.

### Area of Interests

- New Product Development of Harness Engineering and EE Architecture.
- Topology Concept proposal (Efficient unit, Domain Concept)
- Cost Reduction Tdc, VA/VE and Localization activities.
- Vehicle Harness Testing.
- Vehicle Project Management and Spec Management (Product Definition).
- Manufacturing Parts Controller and Supply Chain Management.
- Vendor Development and Purchasing Buyer for EE parts.

### International Visits

Location	Purpose	Project	Duration
NEVS Sweden	High Voltage Harness Designer (Concept to Development activity)	PONS,Sango	From Nov 2023 till now
Nissan Technical Center, Japan	Global function support	New Nissan Juke	Aug ~ Nov 2018
Nissan Technical Center, Japan	New model first physical build (VC) support and concern analysis	New Nissan Note	Feb ~ Apr 2017

Nissan Technical Center, Japan	Global function support	Nissan Juke 18MY	Mar ~ Apr 2016
Nissan Technical Center, Japan	New model Concept Layout study	Nissan EUR Projects	Apr~ Oct 2015

### Core Education

Course	Institution	Duration	Marks
Bachelor of Engineering (Electrical & Electronics)	Sasurie Engineering College, Erode	2008-2011	76%
Diploma in Electrical and Electronics Engineering	P.G.P Polytechnic College, Nakamal	2006-2008	86%

### Personal Details

Date of birth : 10-Aug-1988  
 Father's name : Kathirvel D  
 Nationality : Indian  
 Marital status : Married  
 Languages known : Tamil and English (to read, write and speak)  
 Passport number : M6707270 (valid until 15-Feb-2025)  
 Swedish Permit : Valid until 05-Oct-2024