

Jibeesh Meppillil Baby

Sr. Mechanical Design Engineer

Motivated Mechanical design engineer with over 14 years in engineering design and implementation. Proficient in dominant software tools such as CAD, 2D and 3D design and Solid Modeling. Veteran provider of equipment selection, sizing, design and equipment test design and execution.

Work History

2014-10 –
2021 -03

Sr. Mechanical Design Engineer

HCL America Inc, San Jose, CA

- Performed NPI development activities for Lithographic tools at Veeco Ultratech.
- Compiled client requirements designed litho subsystem including 3-D CAD modeling & product drawings using Solidworks, built and tested prototypes, prepared complete bills of materials, and executed engineering change orders to release assemblies.
- Worked with product planners and industrial designers to conceptualize and refine product concepts.
- Created parts for various fabrication methods, including machining, sheet metal fabrication and injection molding.
- Worked as VE Lead in Cisco wireless, enterprise routing and cable group to handle value engineering, Mechanical and miscellaneous cost reduction projects.

2010-09 -
2014-10

Mechanical design engineer

HCL Technology Ltd, Bangalore, India

- Handled conceptual and detail design of sheet metal components & gas box for UCT client.
- Documented products and processes using SolidWorks, Pro E and AutoCAD to document release notes and designs.

Contact

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Skills

Solidworks



Pro E



Catia



PDM / ECTR



AutoCAD



MS Office



SAP



GD&T



2008-01 -
2010-09

Mechanical Design Engineer

Onward Technologies Inc., Pune, India

- Handled new product development for the John Deere Des Moines.
- Spearheaded new concept generation, mainframe design support & providing weldment drawing for sprayer machine using Pro E.
- Worked with product planners and industrial designers to conceptualize and refine product concepts.
- Checked design compliance with product specifications and standards requirements.

2005-05 -
2007-12

Jr. Mechanical Design Engineer

Banco Products (I) Ltd, Baroda, India

- Designed OEM radiators, complex radiator plastic tanks, sheet metal components, built and tested prototypes, prepared complete bills of materials and risk analysis for new design through DFMEA.
- Used Pro E and AutoCAD to examine product scopes and plan for adaptations in production methods.
- Created CAD models and drawings for radiators and CAC designs.

Education

1999-09 -
2003-04

Bachelor of Technology: Mechanical Engineering

Govt. Engineering College - Trivandrum, Kerala

Accomplishments

- Achieved \$8.3 M value engineering savings for Cisco WNBU in FY16.
- Introduced tubular design for cradle in Matterhorn machines, which saved 80 \$ per machine and yearly saving of 3,200 \$.
- Designed square bump Fins for M&M 4DI Radiator, which improved heat dissipation capacity and the engine performance.

Tolerance stack up



DFMEA



PLM



Engineering Design



Languages

English



German



Hindi



Malayalam



Certifications

- 2013-10** Six Sigma Green Belt
- 2019-12** Nano Technology
- 2019-09** Supply Chain Management