



VIJAY BORBAN

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Gender: Male **Date of birth:** 14/05/1995 **Nationality:** Indian

ABOUT ME

A fastener design engineer specializes in creating and optimizing the design of fasteners such as screws, bolts, nuts, and stud. They focus on ensuring these components are durable, reliable, and suitable for specific applications through rigorous testing, material selection, and engineering calculations. Their role involves collaboration with various teams, adherence to quality standards, and continuous improvement to enhance product performance and efficiency in manufacturing processes.

The objective of a fastener design engineer is to design, develop, and optimize fasteners that meet specific functional requirements, including durability, reliability, and performance under various conditions. They aim to innovate in fastener design, improve manufacturing efficiency, and ensure compliance with quality standards, ultimately contributing to the overall functionality and reliability of the products they are used in.

WORK EXPERIENCE

[25/02/2025 – Current]

Executive Engineer

STERLING TOOL LTD

City: FARIDABAD | **Country:** India

Design and Development

1. Design and develop new fastener tools: Create designs for new fastener tools, dies, and molds.

Tooling and Manufacturing

1. Design and develop tooling: Design and develop tooling, including dies, molds, and fixtures.

2. Troubleshoot manufacturing issues: Troubleshoot manufacturing issues related to tooling and design.

Quality and Testing

1. Develop testing protocols: Develop testing protocols to ensure fastener tools meet quality and performance standards.

2. Implement quality control measures: Implement quality control measures to ensure consistent quality of fastener tools.

Project Management

1. Coordinate with cross-functional teams: Coordinate with cross-functional teams, including sales, marketing, and manufacturing.

2. Meet project deadlines and budgets: Meet project deadlines and budgets.

Continuous Improvement

1. Stay up-to-date with industry trends: Stay up-to-date with industry trends and developments in fastener design and manufacturing.

[01/11/2021 – 15/02/2025]

Designing engineer

UNBRAKO DEEPAK FASTENERS LTD.

City: SEHORE | **Country:** India

- Design and Development
- Engineering Calculations
- Prototyping and Testing
- Collaboration:
- Quality Assurance
- Documentation
- Continuous Improvement
- Project Management
- Problem Solving

To excel in this role, proficiency in CAD software (e.g., SolidWorks, AutoCAD) for design and analysis is often required. Strong analytical skills, attention to detail, and a deep understanding of mechanical principles are also essential.

EDUCATION AND TRAINING

[13/06/2012 – 12/05/2017]

MECHANICAL ENGINEERING

SCOPE COLLAGE OF ENGINEERING BHOPAL <http://www.scopecollege.in/>

City: BHOPAL | **Country:** India |

[15/07/2011 – 16/06/2012]

12th MATHS

GOVT. EXCELLENCE H.S.SCHOOL MULTAI

City: MULTAI | **Country:** India |

[16/06/2010 – 20/05/2011]

SECONDARY

GOVT.H.S.S. SONORA

City: SONORA | **Country:** India |

LANGUAGE SKILLS

Mother tongue(s): Hindi

Other language(s):

English

LISTENING C1 READING C2 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

My Digital Skills

Microsoft Excel | Microsoft Word | Google Drive | Microsoft Powerpoint | Microsoft Office | Global SAP system | AutoCad 2D -3D | CATIA V5 (Part Design, Assembly, Drafting, Generative Shape Design) - Advance level | ERP-Systems | Solidworks software