

## ABOUT ME

Passionate and versatile Senior Product Design Engineer with 9 years of industry experience, including 7+ years in core product design across household products, automation & robotics, and plastic piping systems. Proven expertise in concept development, CAD modelling, design validation, prototype development, and full product lifecycle management. Experienced in collaborating with manufacturing, tooling, quality, marketing, and supply chain teams to deliver innovative, cost-effective, and production-ready products. Strong knowledge of polymer materials, injection moulding, extrusion, roto moulding, GD&T, and value engineering.

## SKILLS

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|---|---|
| **Product Development** | New Product Development (NPD), Design Validation, Prototyping, Testing, Reverse Engineering. |
| **Mechanical Design** | GD&T, DFMEA, DFM/DFA, Tolerance Stack-up Analysis, Design Optimization, Root Cause Analysis |
| **Manufacturing** | Injection Moulding, Extrusion, Blow moulding, Roto moulding, FDM 3D Printing, Tooling & Mold Development. |
| **CAD / CAE** | Creo 13, CATIA, SolidWorks, AutoCAD, ZWCAD, Rhino, Blender, ANSYS Mechanical (Basic), Creo Simulation. |
| **Project & PLM** | PLM, BOM Management, ECR/ECO, Cross-functional Coordination, Vendor Development, Team Mentoring. |

## PROFESSIONAL DETAILS

**Location** – Jalgaon, Maharashtra

**Relocation** – Willing to Relocate

**Notice Period** – 30 days

**Languages** – English, Hindi, Marathi.

# DEVESH PATIL

Senior Design Engineer (Product Design)


Plot no 38 Gat no 109 vatika ashram near khote nagar, Jalgaon, Maharashtra 425001

+91 7776955691

er.deveshspatil@gmail.com

linkedin.com/in/er-devesh-s-patil


## WORK EXPERIENCE

**SUPREME INDUSTRIES LIMITED**
Jalgaon, Maharashtra
Nov 2023 – Present

### Senior Design Engineer (Product Design)

- Designed & developed 400+ plastic piping products from concept to production.
- Redesigned 35+ products for material reduction and cost optimization.
- Developed patented products including Rainwater Harvesting Module, Service Saddle & Water Tank Baseplate.
- Led the Supreme Serene & Serene+ silent SWR range with Poloplast Austria.
- Produced manufacturing ready 3D CAD, GD&T drawings & BOMs using PTC Creo & ZWCad.
- Collaborated with tooling, manufacturing, quality & procurement through product launch.

**PNT ROBOTICS & AUTOMATION SOLUTIONS LLP**
Mumbai, Maharashtra
July 2021 – Oct 2023

### Senior Design Engineer (Product Design)

- Designed and delivered custom SPMs for HUL, Tata Power & BARC from concept to commissioning.
- Contributed to the development of ADO, the humanoid robot featured on Shark Tank India S1, and built Arduino-based robotic prototypes.
- Mentored junior designers and coordinated with cross-functional teams to drive product development and design execution.
- Collaborated with vendors for prototype manufacturing, fabrication, component sourcing, and assembly.
- Developed rapid prototypes using in-house FDM 3D printing for design validation.
- Represented the company at Auto Expo 2023 (IIT Bombay) and technical exhibitions.

**SEVEN11 DESIGNS LLP**
Mumbai, Maharashtra
Nov 2019 – June 2021

### Design Engineer (Product Design)

- Designed and developed innovative household products from concept generation to production release.
- Created 3D CAD models, assemblies, and manufacturing-ready engineering drawings.
- Translated client requirements into functional, manufacturable product design solutions.
- Coordinated prototype development, testing, and design validation for product performance.
- Collaborated with procurement, manufacturing, and vendors to ensure successful product realization.

## EDUCATION

**Master Certification Course in CAD/CAM (NSQF Level - 6) - Distinction 86.29%**
Indo German Tool Room, Chatrapati Sambhaji Nagar. - Central Govt Technical Institution

**Bachelor of Engineering (Mechanical Engineering) - CGPA 6.57**
Kavayitri Bahinabai Chaudhari North Maharashtra University (NMU), Jalgaon

**Diploma in Engineering (Mechanical Engineering) - First class 67.96%**
Maharashtra State Board of Technical Education (MSBTE).

**Secondary School Certificate (SSC) - Distinction 84.91%**
Nashik Divisional Board of Secondary Education.