

# Antony Alder George

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I see SolidWorks as my primary tool for problem-solving, but I approach every task with a Project engineering mindset. For me, a design isn't finished until the documentation is clear, the materials are specified, and the project logic is sound. I'm looking to bring my technical drafting skills to an Australian team where I can support the design process from the ground up. I'm focused on being the person who catches the small errors in a 3D assembly before they become big headaches during the project delivery phase.

## EXPERIENCE

### CNC Machine Operator, Imperio Tech | Derrimutt, VIC

Dec 2025 – Present

A precision manufacturing firm providing CNC machining, welding, and CAD/CAM services. Focused on delivering high-quality, custom engineering solutions for diverse industrial sectors.

- Operated CNC lathe and milling machines to produce high precision parts.
- Managed machine setups by establishing precise XYZ work coordinates and tool offsets.
- Evaluated component quality using precision metrology tools (micrometers, calipers) to verify alignment with engineering specifications.
- Implemented Safety protocols to ensure secure work environments.

### R&D Engineer, Naveena Zeal Technologies | Kerala, India

Apr 2025 – Nov 2025

ISO 9001:2015 certified industrial firm specializing in the design, manufacture, and distribution of high-precision packaging, sealing, and vacuum machinery to retail and wholesale markets.

- Developed and prototyped a rotary cup sealing system, creating detailed technical drawings and Bills of Materials (BOM) to streamline the manufacturing process.
- Facilitated cross-functional collaboration between R&D and vendors to resolve manufacturing bottlenecks and ensure on-time delivery of critical machine parts.
- Utilized SolidWorks and AutoCAD to develop complex 3D models, detailed 2D technical drawings, and full mechanical assemblies, ensuring precise alignment between design intent and manufacturing output.

### Project Engineer, Petrocil Engineers & Consultants Pvt Ltd, | Kerala, India

Jun 2023 – Jul 2024

An ISO 9001:2015 certified international engineering consultancy specializing in multidisciplinary design, FEED, and detailed engineering services for the oil, gas, and infrastructure sectors.

- Coordinated multi-disciplinary teams (Process, Civil, Electrical, Mechanical, Piping, Instrumentation) ensuring adherence to project milestones.
- Supported planning, monitoring, and execution of engineering deliverables across projects.
- Prepared and reviewed project documents, proposals, reports, and schedules.
- Conducted design reviews, HAZOP, SIL studies, and 3D model reviews.

## SKILLS

**Design & CAD:** GD&T (ISO 1101), SolidWorks (Advanced 3D Modelling, Sheet Metal, Weldments), AutoCAD (2D)

**Project Management:** Primavera P6, MS Excel, Scheduling & Progress Monitoring, Multidisciplinary Coordination.

**Engineering & Analysis:** Finite Element Analysis (FEA) using ANSYS, Design for Manufacturability (DFM), Process Optimization.

## EDUCATION

**Bachelor of Technology (Mechanical Engineering)** - Albertian Institute of Science and Technology (Affiliated to Mahatma Gandhi University, Kottayam) | Kerala, India