WILLIAN FERNANDO BARROSO

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SUMMARY

Aviation professional with over 15 years of hands-on experience at Embraer, specializing in aircraft interior assembly, CNC machining, and aircraft maintenance. Strong background in structural assembly, quality inspections, and hydraulic/pneumatic testing. Proficient in CATIA V5, Mastercam, and CNC programming for composite, wood, and aluminum parts. Recognized for technical expertise, problem-solving, and a collaborative team approach. Currently based in Ireland and open to new international opportunities.

EDUCATION

Certificate in Programmable Logic Controllers | KWETB Centre of Excellence in Manufacturing | 2026
Mastercam | AMTCE – Dundalk | 2026
BSc in Software Engineering |UNIFRAN, Brazil | 2023 – Present
MSc in Bioprocess and Bioproducts Engineering |UNESP, Brazil | 2018 – 2019
Technology in Industrial Mechatronics |IFSP, Brazil | 2013 – 2017
Aeronautical Maintenance Mechanical Technician |Fenix School | 2009 – 2011
Automotive Painting |ASPAR| 2008

EXPERIENCE

CNC PROGRAMMER/MACHINIST | REV 1 PRECISION ENGINEERING – SLIGO, IRELAND | Aug 2026 – Present.

- Operate and program CNC machines for high-precision aerospace components.
- Interpret technical drawings and apply quality checks to ensure compliance with standards.
- Implementation of continuous improvements.

CNC MACHINIST | PRODIECO ADVANCED ENGINEERING SOLUTIONS – DUBLIN, IRELAND | Feb 2025 – Present.

- Operate and program CNC machines for high-precision pharmaceutical components.
- Interpret technical drawings and apply quality checks to ensure compliance with standards.

PROCESS TECHNICIAN | EMBRAER BRAZIL | March 2022 – June 2024

- Create and coordinate teams, scripts, and activity plans for the production line.
- Responsible for CNC programming at the Embraer Interior Factory.
- Participation in multidisciplinary teams for autonomous maintenance of machines and equipment;
- Performing quality inspections.
- CATIA V5 and Mastercam.

CNC MACHINE OPERATOR | EMBRAER BRAZIL | May 2012 – March 2022

- Manufactured parts in composite materials, wood, and aluminum, with varying geometries and degrees of complexity, operating a CNC machine, following production documentation, with assured quality.
- Monitor parts machining, checking for possible failures, making adjustments, and changing tools when necessary.

INTERIOR ASSEMBLER | EMBRAER BRAZIL | October 2008 – May 2012

- Special painting and finishing processes for executive and commercial aircraft.
- Perform and coordinate internal system adjustment, assembly, equipment, and testing activities, as well as installation and adjustment, by applicable production documentation, meeting quality, functionality, safety, and deadline requirements, and recording production data when requested.

- Experience working directly with the customer on commercial, executive, and military aircraft (E99, E170, E190, C390, PHENOM, LEGACY, and PRAETOR) and always striving to meet deadlines and quality.

EXPERTISE: Interior assembly, CNC Machine Programming and Operation, and Structural Assembly.