

## FELIPE BIAVA CATANEO

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### Objective

Mechanical Engineer specialized in Drilling and Well Completion, with experience in project management, advanced simulations, and technology applied to the Oil & Gas sector. Seeking to contribute with my technical expertise and innovation skills to optimize operations and ensure service excellence.

### Professional Experience

- INFOTEC | Specialist Designer in Drilling

Jan/2025 – Present

- Design and development of drilling projects: directional trajectory of main wells, pilot wells, relief wells, and interception wells.
- Bit design, torque and drag analysis, hydraulics, casing wear, BHA configuration, and reaming projects.
- Engineering support through advanced simulations using well engineering software.
- Technical analysis, support, review, and drafting of technical documents (memos, reports, and assessments).
- Data collection and consolidation for technical support and drilling management in offshore wells.
- Active participation in leading and governing technical thematic groups.
- HALLIBURTON | Performance Development Coordinator & Field Service Quality Coordinator

Jan/2024 – Dec/2024

- Planning and implementation of technical development strategies for teams.
- Ensuring operational quality and compliance with safety standards.
- HALLIBURTON | Technical Leader for Drilling and Completions

Dec/2022 – Jan/2024

- Team coordination of drilling consultants.
- Development of training programs and mapping of technical competencies.
- Represented the company in technical proposals, ensuring alignment between client and operational team.

- HALLIBURTON | Application Consultant

Dec/2021 – Dec/2022

- Risk analysis and operation duration estimation for Petrobras.
- Monitoring of drilling, completion, and well abandonment.
- Performance studies to optimize operations.

- HALLIBURTON | Engineering Consultant

Dec/2016 – Dec/2021

- Landmark consultant and technical reference in drilling engineering.
- Advanced simulations for operation optimization.

- HALLIBURTON | Field Engineer (Well Completions)

Apr/2013 – Nov/2016

- Assembly and operation of sand control and completion equipment for Petrobras, Shell, Statoil, and other operators.
- Participation in onshore and offshore operations.

### Academic Background

- MBA in Project Management – FGV (2017 – 2019)
- Postgraduate in Onshore and Offshore Equipment Engineering – UCP (2013 – 2014)
- Bachelor's in Mechanical Engineering – UNESP (2005 – 2010)

### Technical and Professional Skills

- Drilling and Completion Engineering
  - Drilling project development: directional trajectory, main wells, pilot wells, relief, and interception wells.
  - BHA planning and reaming optimization.
  - Advanced simulations: torque and drag, hydraulics, casing wear analysis.
  - Specialist in well engineering software: Compass, Wellcat, Wellplan, and CasingWear.
  - Technical management and governance of drilling discipline thematic groups.
  - Technical documentation: reports, memos, and technical assessments.
- Project and Process Management
  - Coordination of multidisciplinary teams and allocation of technical resources.
  - Performance and operational quality management (Field Service Quality).
  - Application of Lean Manufacturing and Six Sigma for continuous improvement.
  - Internal auditor for ISO 9001, ISO 14001, and ISO 45001 compliance.

- Offshore experience with sand control and intelligent completion equipment.
- Technology, Programming, and Artificial Intelligence
  - Python scripting for data analysis, process automation, and simulation support.
  - JavaScript experience for web development and interactive application creation.
  - Knowledge in Machine Learning and AI, including LLMs (Large Language Models) and RAG (Retrieval-Augmented Generation) solutions.
  - Experience with Transformers.js for chatbot development and AWS Bedrock integration.
  - Process automation using n8n.
  - Development of applications using OpenCV for computer vision and technical image analysis.

### Certifications and Courses

- Lean Six Sigma Green Belt – Werkema Group
- Internal Auditor for ISO 9001, 14001, and 45001
- API Q2 Internal Auditor Course
- Python and Django Full Stack Web Developer Bootcamp
- The Complete JavaScript Course – Jonas Schmedtmann
- Oil & Gas Exploration – International Course in Mexico

### Languages

- English – Advanced (Reading, writing, and speaking)
- Spanish – Basic