# JACQUES BEN BILOMBE

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## PROFESSIONAL SUMMARY

Data Scientist with solid experience building data-driven solutions through Machine Learning, Python automation, and statistical modeling. Skilled in transforming raw data into business insights, deploying predictive models, and optimizing workflows across trading, retail, and computer vision environments. Proven track record delivering measurable impact through automation, data pipelines, and applied algorithms.

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## EXPERIENCE

**Freelance Python Developer — Upwork**
*Remote | Feb 2021 – Oct 2025*

- Designed and implemented automation systems, reducing manual workflows for clients in e-commerce, analytics, and trading.

- Built algorithmic trading bots integrating broker APIs with real-time data pipelines, backtesting strategies, and performance monitoring.

- Developed OCR and computer vision pipelines to extract structured information from complex images.

- Created predictive models to analyze customer behavior, increasing conversion rates and optimizing sales processes.

**Data Science Analyst — Cadastra Marketing Digital LTDA**
*Porto Alegre, Brazil | Aug 2021 – Dec 2022*

- Detected improper source attribution on wholesale platforms, enabling revenue recovery equivalent to 5% of annual income.

- Implemented recommendation engines based on historical user behavior.

- Co-developed a multilayer customer classification model for Samsung Brazil to identify early adopters of new smartphone releases.

- Built scalable solutions for extracting data from Google Analytics 4.0 and Adobe Analytics.

**Electrical Engineering & Team Operations — Mud Runner Baja**
*Rio de Janeiro, Brazil | Jun 2020 – May 2022*

- Led Scrum routines for the electronics team, improving communication, productivity, and delivery predictability.

- Developed a radio-frequency telemetry system, reducing validation time from 2.5 hours to 1 hour.

- Implemented a magnetic speed detection system increasing measurement accuracy during off-road competitions.

- Mud Runner became a two-time Rio de Janeiro off-road competition winner.

**Teaching Assistant — CEFET/RJ**
*Rio de Janeiro, Brazil | Mar 2020 – Dec 2020*

- Assisted students in Differential Equations and Series, clarifying concepts and solving advanced exercises.

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## EDUCATION

**Postgraduate Degree — Data Science and Analytics**
*PUC-Rio, Brazil | Feb 2024 – Jan 2025*

**Bachelor's Degree — Electronics Engineering**
*CEFET/RJ, Brazil | Feb 2018 – Mar 2024*

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## RESEARCH EXPERIENCE

**ReVarcine — Federal University of Pelotas**
*Aug 2022 – Dec 2022*

- Built end-to-end data pipelines improving execution efficiency by 5%.

**Image Template Extraction — CEFET/RJ**
*Nov 2021 – Dec 2022*

- Designed OCR-based systems capable of extracting oriented text and separating complex shapes on maps

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## SKILLS

Python • Machine Learning • Data Pipelines • Computer Vision • OCR • SQL • Statistical Modeling • Automation • ETL • MATLAB • Git • Data Analytics

## LANGUAGES

French (Native) • Swahili (Native) • Portuguese (Fluent) • English (Intermediate) • Spanish (Basic)