

Bruno Loureiro Desidera's Resume

Contact Information:

- **Full Name:** Bruno Loureiro Desidera
- **Title:** Machine Learning Engineer | Full Stack Developer | Founder & CEO
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Summary:

Passionate technology professional with more than five years of experience in web development, full stack engineering, blockchain, and artificial intelligence. I specialize in creating innovative digital solutions for businesses, focusing on the use of AI for data-driven decision-making, and developing cutting-edge products with a focus on user-centric designs and scalable architecture. I'm always looking to grow and tackle new challenges.

Skills & Technologies

- **Programming Languages:** Python, JavaScript, Solidity, SQL, C, C#
 - **AI & Machine Learning:** TensorFlow, Keras, ARIMA, NLTK, spaCy
 - **Web Development:** Flask, Django, Express.js, React.js, Node.js
 - **Blockchain:** Solidity, Ethereum, Smart Contracts
 - **Databases:** MySQL, PostgreSQL, Supabase
 - **Tools & Frameworks:** Docker, Kubernetes, Git, CI/CD
 - **Others:** GraphQL, REST APIs, Web Scraping, Pandas, Matplotlib
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Relevant Projects

1. **Cryptocurrency Price Prediction System**
 - **Description:** Developed a cryptocurrency price prediction system using ARIMA (AutoRegressive Integrated Moving Average), a popular statistical model for time series. Collected historical price data through the CoinGecko API and displayed results in interactive graphs with `matplotlib`.
 - **Technologies Used:** Python, ARIMA, CoinGecko API, `matplotlib`, `pandas`.
 - **Additional Value:** This predictive model helps businesses in the financial sector understand market trends and make informed decisions.
2. **Social Media Sentiment Analysis Application**
 - **Description:** Designed and implemented a sentiment analysis tool that uses Natural Language Processing (NLP) techniques to analyze large

volumes of text from platforms like Twitter or Reddit, classifying public opinion into positive, negative, or neutral sentiments.

- **Technologies Used:** Python, NLTK, spaCy, Transformers (like BERT), pandas.
- **Additional Value:** Sentiment analysis is crucial for digital marketing, customer service, and market research, helping companies understand public opinion and improve their strategies.

3. **Image Recognition Application (Computer Vision)**

- **Description:** Developed an AI-based image recognition system using Convolutional Neural Networks (CNNs) to classify objects in images and detect patterns. Utilized computer vision libraries to enhance the model's performance.
- **Technologies Used:** Python, TensorFlow, Keras, OpenCV.
- **Additional Value:** This system is useful in sectors like security, healthcare, and e-commerce, where image classification is critical for tasks like object detection, facial recognition, and medical diagnostics.

4. **Intelligent Chatbot for WhatsApp**

- **Description:** Built an intelligent chatbot that automatically responds to messages on WhatsApp using AI and NLP. The system is trained to interpret user inputs and generate relevant, context-aware responses.
- **Technologies Used:** Python, TensorFlow, NLP, Flask, WhatsApp API, FastAPI.
- **Additional Value:** Automating customer support through chatbots can significantly reduce operational costs and improve user engagement for businesses.

5. **Personalized Recommendation System**

- **Description:** Developed a recommendation system that uses collaborative and content-based filtering to suggest products and services to users based on their behavior and preferences.
- **Technologies Used:** Python, Scikit-learn, TensorFlow, Collaborative Filtering, Content-Based Filtering.
- **Additional Value:** Recommendation systems drive user engagement on e-commerce platforms and streaming services by offering tailored experiences and suggestions.

6. **Decentralized Voting Platform with Blockchain**

- **Description:** Created a decentralized voting platform using blockchain to ensure transparency and security. Integrated AI for biometric authentication (face recognition) to enhance the voting process and prevent fraud.
 - **Technologies Used:** Solidity (Smart Contracts), TensorFlow, OpenCV (for face recognition), Supabase.
 - **Additional Value:** Blockchain-based voting systems can help ensure the integrity of elections, providing tamper-proof and transparent processes, especially in governmental or corporate environments.
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Experience

Founder & CEO – StudioWeb

Feb 2020 – Present

- Leading a team to create innovative digital solutions for clients, specializing in full-stack web development and AI-driven applications.
- Focused on providing sustainable solutions and improving clients' online presence.

CEO – Works Agência

Oct 2013 – Present

- Managing a marketing agency that delivers high-quality, data-driven solutions to clients.
- Expertise in building and executing marketing strategies, combining technical knowledge with business acumen.

Education

- **FAIT** – Bachelor's Degree in Business Administration
2000 – 2003

Languages

- **Portuguese:** Native
- **English:** Intermediate