

Olmir Stocker Neto

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Professional Summary

Software developer and AI Engineer with a Systems Analysis degree and professional experience in building and improving AI models. Currently enhancing generative AI through advanced prompt engineering and quality assurance testing in a remote contract role. This experience is supported by a proven ability to independently build and deploy end-to-end applications, including RAG pipelines (LangChain, Gemini) and secure REST APIs (FastAPI). Seeking a remote opportunity to apply these skills within a growth-oriented team.

Technical Skills

Programming Languages:

Python, Swift, JavaScript

Concepts:

AI Development, RAG, Big Data, Microservices, Deep Learning, Reinforcement Learning, Statistics, CI/CD, Automation, REST APIs, OOP, Data Structures

Tools & Platforms:

AI / Data: LangChain, PyTorch, TensorFlow, Scikit-learn, Pandas, Spark, Hadoop, FAISS

Backend / DB: FastAPI, Node.js, MongoDB, SQL, SQLAlchemy, Firebase, Firestore, Pydantic

DevOps / Tools: Docker, pytest, Git, GitHub, Selenium

Professional Experience

AI Engineer (Contract)

Sep 2025 - Present

Revelo - Remote

- Applied advanced prompt engineering techniques to identify and document failure modes in generative AI models, specifically targeting Python and JavaScript code generation tasks.
- Acted as a human-in-the-loop (HITL) reviewer to iteratively guide an LLM in solving complex coding issues, analyzing and refining AI-generated solutions to meet production-ready standards.
- Developed comprehensive unit tests using `pytest` to validate code quality and ensure the correctness of AI-generated solutions.
- Managed and replicated complex development environments from specific GitHub repository commits using Docker, ensuring bug reproducibility and accurate testing.
- Maintained a high-quality track record on all assigned projects, providing detailed feedback and peer support that directly contributed to AI model improvements.

Account Management Specialist

Sep 2024 - May 2025

Solenis - Remote - US Based

- Managed a portfolio of 40+ B2B accounts with a focus on communication, client success and retention.
- Proactively analyzed client data and key performance indicators to identify growth opportunities, helping customers optimize their supply chain and improve core business metrics.
- Thrived in a fast-paced, collaborative setting by coordinating with multiple teams to resolve issues quickly and ensure the timely delivery of high-quality service.

Personal Projects

RAG Knowledge Base Chatbot [\[GitHub\]](#)

Python, LangChain, Google Gemini, Hugging Face, FAISS, PyTorch

- Developed a Retrieval-Augmented Generation (RAG) chatbot to answer questions against a local, custom knowledge base.
- Built a data ingestion pipeline with LangChain to load, chunk, and vectorize markdown documents into a FAISS vector store using Hugging Face embedding models.
- Engineered a multi-stage query chain with LangChain Expression Language (LCEL) to retrieve documents, re-rank them for relevance, and synthesize a final answer.

- Implemented a re-ranking step using a Hugging Face Cross-Encoder (TinyBERT) to improve the contextual accuracy of retrieved documents.
- Utilized the Google Gemini Pro model for final answer generation, using prompt engineering to ensure context-adherence and stream responses to the user.

AI News Summarizer & Subscription Service [\[GitHub\]](#)

Python, Requests, BeautifulSoup, Google Gemini AI, Firebase, Firestore, GitHub Actions

- Deployed a full-stack, serverless application to scrape, summarize, and deliver daily news articles to a list of subscribers.
- Engineered an automated Python pipeline using Requests and BeautifulSoup to extract and structure News articles into JSON datasets.
- Integrated Google Gemini AI through the google-generativeai SDK to perform abstractive summarization with prompt-based control and text validation.
- Established a complete CI/CD workflow with GitHub Actions to fully automate daily data collection, AI inference, and email distribution.
- Built a scalable subscription system using Firebase Hosting and Firestore (NoSQL) for user data persistence and management.

FastAPI Secure Authentication API [\[GitHub\]](#)

Python, FastAPI, SQLAlchemy, JWT, Pydantic, bcrypt, SQLite

- Designed and developed a RESTful API to manage user authentication and secure access to protected endpoints. This project serves as a reusable module for any application requiring user registration and login functionality.
- Implemented a complete token-based security system using JWT for stateless authentication and bcrypt for secure password hashing.
- Built RESTful endpoints for user registration, login, and profile management using FastAPI with Pydantic for robust data validation.
- Engineered a persistent storage layer with SQLAlchemy ORM to connect the application to a SQLite database, managing user data through structured sessions.

Education & Certifications

Postgraduate Degree in Data Science & Machine Learning 2025 - 2027 (Expected)

Educaminas - São Paulo, Brazil

Specialization covering Big Data infrastructure (Hadoop, Spark), NoSQL databases (MongoDB), Deep Learning, Reinforcement Learning, and predictive analytics.

Postgraduate Degree in Software Architecture 2025 - 2027 (Expected)

Educaminas - São Paulo, Brazil

Focused on software quality, architectural patterns (Microservices, SOA), Cloud Computing, DevOps, and agile development with Node.js and Scrum.

Postgraduate Degree in Applied Statistics 2025 - 2027 (Expected)

Educaminas - São Paulo, Brazil

Covered advanced statistical methodologies, financial mathematics, forecasting methods, ANOVA, and experimental design for data analysis.

Systems Analysis and Development 2021 - 2024

UNIP - São Paulo, Brazil

A comprehensive program covering software engineering, database management (SQL), programming fundamentals (Python, Java), and web/mobile development.

AI Professional Training

Hashtag

Project-based training focused on practical AI applications in Python, utilizing key libraries like Pandas, Scikit-learn, Keras, and TensorFlow.

Languages

- **English:** C2 Level (Fluent)
- **Portuguese:** Native