Silvio Stanzani

AI Engineer

I am looking for a challenging AI engineer position that leverages my experience in data-driven problem-solving, innovation co-creation, and AI project management to help drive organizational growth and success.

EXPERIENCE

AI Engineer, NTT DATA Brasil, São Paulo, Brazil

July 2021 - Current

- Development of NLP projects based on LLMs using LangChain and Transformers.
- Development of context databases using FAISS, and MongoDB for RAG pipelines
- Development of Agentic AI projects using CrewAI.
- Deployment of Generative AI applications using Azure OpenAI Cloud and on-premises using LLaMA
- Data Science Analysis for structured and non-structured data
- Development of innovation projects combining Artificial Intelligence, augmented reality, and computer vision.
- Development of computer vision projects using OpenCV, Yolo, and multimodal LLMs.
- Development of computer vision projects deployed on stand-alone and public 5G networks.

AI Engineer, Scientific Computing Center at UNESP, São Paulo, Brazil

January 2015 - June 2021

- Definition and development of POCs to address industry challenges using predictive artificial intelligence models.
- Development of predictive models using PyTorch and Scikit-Learning.
- Data Science Analysis for structured and non-structured data
- Development of computer vision projects using OpenCV and Yolo.
- Teaching AI in an Artificial Intelligence Residency project.
- Teaching parallel programming and performance optimization using Intel hardware and software architecture.

Developer, Escola Politécnica da Universidade de São Paulo, São Paulo, Brazil

January 2009 - June 2014

- Programming in Python and C.
- Optimizing application performance on computing clusters
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Developer, Universidade Católica de Santos, Santos Brasil

Janeiro 2006 - Dezembro 2008

- Programming in Java

SKILLS

- Experience with programming in Python and C.
- Experience with version control on Git and good software programming practices.
- Experience with LangChain, Embeddings, NLP, Transformers and Azure OpenAI API for developing LLM based Applications.
- Experience with Computer Vision Frameworks: OpenCV, Yolo and Google Media Pipe.
- Experience with Machine Learning Frameworks: PyTorch and Scikit-Learn.
- Experience with frameworks for Data Visualization: Gradio and Streamlit.
- Knowledge of SQL and No-SQL Databases MongoDB.
- Knowledge of Vector Databases: FAISS and Chroma to create RAG.
- Knowledge of Agent Frameworks: LangChain and CrewAI.
- Knowledge of Scrum methodology.
- Knowledge of Innovation Readiness Level methodology.

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✉ Silvio.stanzani@gmail.com

SUMMARY

I am a Project Leader at NTT Data Brasil for Artificial Intelligence Innovation Projects. I have over 20 years of experience in Information Technology and Innovation, the last 7 years in Artificial Intelligence. My focus is to solve practical problems with the state of the art in Distributed Computing and Artificial Intelligence with innovative mindset.

EDUCATION

2014 - PhD in Computer Science. Escola Politécnica da Universidade de São Paulo, Brazil**.**

2009 - Master's degree in Computer Science.

Universidade Católica de Santos. Brazil.

2002 - Bachelor's degree in Data Processing.

Faculdade de Tecnologia de São Paulo, FATEC-SP. Brazil.

CERTIFICATES

- Spanish
(Siele B2 – 2024)

- English
(Toefl – 2008)