Contact

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LinkedIn
GitHub

Top Skills

Time Series Forecasting
Machine Learning
Python

Certifications

- Time Series Analysis, Forecasting, and Machine Learning
- Python for Data Science and Machine Learning Bootcamp
- Higher Certificate in Information Systems (Software Development)
- Calculus I
- Data Science and Machine Learning Bootcamp with R

Public Contributions

- viss
- SimpactCyan
- spatialedge-analytics-dfauditor
- holidays
- LG-WebOS-Remote-Control
- MacbookPro14-2Ubuntu

Jean Naude

Machine Learning Engineer at Spatialedge
Stellenbosch, Western Cape, South Africa

Summary

Senior Machine Learning Engineer with 4 years of experience in developing, deploying and optimizing machine learning models and taking them to production for large retail chains based in South Africa. Co-Founder of a non-profit that played a key role in developing open-source software for an international epidemiology simulation project that provided valuable insights to the World Health Organization

My strength lies in getting to production quickly with observable, impactful results that facilitate business decision-making

Experience

Spatialedge

Machine Learning Engineer
Stellenbosch, Western Cape, South Africa
June 2021 - Present (4+ years)

Technical Lead Engineer on two enterprise data applications that provided highly optimized results in the retail and financial sector. Mentored junior engineers, provided technical guidance and engineered technical foundation for both projects
Productionized and contributed to 8 Machine Learning models providing high-value insights to the retail and financial sector

Models: Lead Time Forecasting, Demand Forecasting, Interbranch Transfers Optimimization
Apps: Workforce Planning Optimization, Cash Replenishment Forecasting and Optimization
Frontends: React, TypeScript, CSS, GrapQL
Backends: Ruby, Postgres
DevOps: CI/CD, Gitlab, GCP, Terraform

Exile AI

(Founder) Full-Stack Engineer
Cape Town, Western Cape, South Africa
January 2024 - Present (1+ years)

Engineered the first open source Viral Infection Simulation Subsystem (VISS) that provided valuable insights to the World Health Organization. Established roadmaps for 4 new open source projects that hold potential to significantly contribute to improved health and economic outcomes. Modularized both front-end and back-end. Back-end is open source and open to contributions. Developed technical infrastructure for a large non profit medical clinic

Backend :Redis DB, C++, Crow(API), CUDA
Frontend :React, TypeScript, CSS Tailwind

Education

ESIEE PARIS

International Masters in Computer Science

2019 - 2021

Pearson Institute
Bachelor of Science in Information Technology
2015 - 2018

Tech Stack

- Python
- Pytorch
- Scikit Learn
- C++
- CUDA
- C
- SQL
- Big Query
- Bash
- Git
- Docker
- CI/CD
- GCP
- Airflow
- Dagster
- Kubernetes
- Terraform
- Helm
- React
- TypeScript
- Redis DB
- Tensorflow
- Gitlab
- Linux

Interests

- Epidemiology
- Computer Vision
- 3D Printing
- Home Automation (using HomeAssistant)
- Puzzle Games
- Musical Theory