Julien Nyambal

https://juliennyambal.github.io

Email : Julien.Nyambal@gmail.com
Mobile : +27 83 398 9020

EXPERIENCE

Capitec Bank - Business bank Johannesburg, South Africa
Senior Software Engineer, Machine Learning *Sept 2022 - Present*

- **Transaction Categorization**: Assist the team into building a system to dynamically categorize financial transactions performed by the clients either via EFT, Cards and another mean of moving money from one account to the other.
- **Business Clients Credit Scoring**: Leverage retail and previous business users to build a data-driven lending solution, for credit product like overdraft, credit cards
- **Credit Data Mart**: Building data structures and catalogs of the Business Banks into Dimensions and Facts. Units Tests and Deployments of those tables daily transactions.

Entelect Johannesburg, South Africa
Senior Software Engineer, Machine Learning - Consultant *Dec 2019 - August 2022*

- **Standard Bank Corporate Investment Banking - FX Tips**: Lead to team into building from scratch a recommendation engine to suggest Forex products to corporate investment clients. I was responsible for building the backend ETL process and assisting Data Scientists into using their models for the recommendation.
- **Standard Bank Corporate Investment Banking - Internal Credit Market Data**: Built from scratch a system to replace a software license used by the bank to aggregate major financial institutions like Bloomberg and Reuters to provide a single state of to commodities. Responsible for the major ETL processes and backend delivery using API endpoints.
- **Standard Bank South Africa - Internal Incident Reporting System RMP**: Enhance incident reporting in the banks systems using NLP and GraphDB asopposed to relational DB. It reduced human interaction and faster ticket assignment.
- **Standard Bank South Africa - Personal Business Banking - Forex Customer Analysis**: POC to try to predict currency pair value using time series and RNN

Retro Rabbit Pretoria, South Africa
Software Engineer, Machine Learning - Consultant *April 2018 - Nov 2019*

- **Avo By Nedbank**: Customizing offering to clients based on the spending habits, using the main Credit Bureaus data, through Building and evaluating models for client segmentation.
- **Kalido**: Enabling clients to hire or provide services based on skills and proximity, using cutting-edge NLP techniques in the backend

University of the Witwatersrand Johannesburg, South Africa
Part-Time Lecturer *Jan 2019 - Jan 2021*

- **Classes**: Lectured Introduction to Computer Science: Python and C++, Computer Networking

CERTIFICATIONS

- AWS Solutions Architect, AWS Cloud Practitioner, Azure AI Fundamentals, Azure Data Fundamentals, Azure Fundamental

PROGRAMMING SKILLS

- **Languages**: R, Python, SQL, C++, Java **Technologies**: AWS, Azure, Docker, Kafka, Hadoop

EDUCATION

University of the Witwatersrand Johannesburg, South Africa
PhD in Computer Science *Jan. 2019 – Dec. 2025*

University of the Witwatersrand Johannesburg, South Africa
Master of Science in Computer Science *Feb. 2017 – Apr. 2018*

University of the Witwatersrand Johannesburg, South Africa
Bachelor of Science with Honours in Computer Science; GPA: 3.60 *Feb. 2016 – Nov. 2016*

University of Zululand KwaDlangezwa, South Africa
Bachelor of Science in Computer Science; GPA: 3.2 *Feb. 2012 – Nov. 2014*