Tshepiso **Moloko**

FINTECH · DATA SCIENCE · SOFTWARE ENGINEERING

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Summary

Having finished Accounting and Finance degree and thoroughly enjoyed it and the roles I have served in have led to my passion about software engineering development in finance. The skills I have developed as a result of the financial and software development roles have enabled; Interpersonal skills; Public speaking skills; programming in frameworks that use the following languages HTML; Java; JavaScript; C++; C Sharp; Matlab; Native script; Python; R. Financial forecasting and reporting with SAGE Pastel evolution proficient; data analysis. With my teachable spirit, I plan to merge of my career and academic interest in frontier and product research, data visualization as a Software architect and data analyst.

Work Experience

RDP Mansory Application Project

PROJECT MANAGER AND SOFTWARE DEVELOPER   *October 2020-Current*

- Leading a RDP project; Reporting for all the weekly project tasks in a detailed report, organise team structure, act as Project Manager;
- Developing construction APP using Flutter and migrating it with the Dept of Housing: Western Cape back end

DataProphet

SOFTWARE ENGINEERING INTERN   *December 2020-February 2021*

- Monitoring and Data analysis using Kibana, Elasctic Search
- Help team with technical solutions on tickets regarding errors
- Assisted with building dashboard that analysis and monitors Django, Gunicorn and Celery logs

Developer Student Club - University of Cape Town

TECH MENTOR   *Nov 2020- Nov 2021*

- Leading a project; Reporting for all the weekly project tasks in a detailed report, organise team structure, act as Project Manager; Team mentoring; Help team with technical difficulties they might face; Constantly motivate and encourage the team to give their best
- Help team with technical difficulties they might face, Constantly motivate and encourage the team to give their best

CatalystCFO

TRAINEE SYSTEM SPECIALIST   *May. 2020 - Aug 2020*

- On the job training and learning of intersection between finance and coding
- Project management and development:- Xero report automation via G-Accon google sheet add-in; - Retailer reporting automation tool;- System improvement and automation
- - Researching appropriate innovative technical solutions for new and existing problems

Regenize

SOFTWARE ENGINEER INTERN   *May 2020 - July 2020*

- Coding and debugging software applications and experimenting with design elements with VueJS and Javascript
- Built and deployed service infrastructure utilizing container, AWS stack(Including EC2, ECS, S3, RDS, IAM), focusing on high-availability, fault tolerance, and auto-scaling.
- Developed an easy-to-use Payment module for shop users of an incentives system

Launchlab - Zaio

SOFTWARE DEVELOPER INTERN   *Jan. 2020 - Apr. 2020*

- Junior back end developer for coding programme in a team of three developers
- Applied the following languages – HTML, CSS, JavaScript, Robust Node REST API for property application using NodeJS in a three subsystems had to be integrated together to make a fully functioning system. The final product was well documented and deployed

ACCA GLOBAL

TEMPORARY DATA ANALYST   *Sep. 2019-Nov. 2019*

- I assisted in a short term project for a student management system written in C Sharp
- I managed to assist in retrieving and organizing student information such as logins, course student studied, level of study and added links to students profiles using Web APIs

Queer Women Business and Allies

RESEARCH INTERN   *May. 2019 - Dec. 2019*

- Responsible for researching on speakers that are involved in summit and ensuring the administration and facilitation of meetings, training, workshops and events
- Trained, mentored and counseled direct reports towards continuous performance improvement in relation to the summit as an allies of the organization

World Merit Organization

Director of Fundraising and Finance   *Feb. 2016-January 2021*

- Provided the Vice President with the statement of income and expenditure
- Prepared detailed budgeting and monthly cash forecasting for the unit and other common service

Jacana Media

Accounts Assistant   *Feb. 2016-Nov. 2018*

- Produced monthly and adhoc consolidated financial reports sourced from databases and spreadsheets on which data is captured, to the holding company
- Processed debtors and creditors invoices using SAGE pastel software Excellent and SAGE Pastel Evolution through efficient data-capture.Daily bookkeeping and cashbook update and preparing of journals for internal and inter-departmental invoices.
- Was the board member representative of company trustees of provident fund and managing in which the advocating and leading employees views on pension fund and concerns

LifeLine Johannesburg

Junior IT Administrator   *Dec. 2013-Jan. 2016*

- Maintained and organized database records for social and media reports collated from the organizations website.
- Filtered user logins, area of log in, reasons for logins and number of visits per month.This was information collected for the organization's counseling services
- Used the back end operations on the data from by using Web APIs to perform CRUD operations on the list of volunteers

Education

Stanford University   *Coursera*

Machine Learning   *July. 2020- Sep. 2020*

- This course provides a broad introduction to machine learning, datamining, and statistical pattern recognition.
    (i) Supervised learning (parametric/non-parametric algorithms, support vector machines, kernels, neural networks)
    (ii) Unsupervised learning (clustering, dimensionality reduction, recommender systems, deep learning)
    (iii) Best practices in machine learning (bias/variance theory; innovation process in machine learning and AI). The course was to draw from numerous case studies and applications. Learned to apply how to apply learning algorithms to building smart robots (perception, control), text understanding (web search, anti-spam), computer vision, medical informatics, audio, database mining, and other areas.

University of Stellenbosch   *Cape Town*

Intro to Data Science   *Jul. 2020*

- Equivalent to Data Science (Eng) 774 module which forms part of the Industrial Engineering Postgraduate Diploma in data science

MANCOSA(Management College of Southern Africa)   *Johannesburg*

B.Com Finance and Accounting Management   *Feb. 2017 - Aug. 2019*

- Financial Management, Business Management, Management Accounting, Financial Accounting, Business Mathematics, Information Systems

University of Stellenbosch   *Stellenbosch*

B.Eng in Electrical and Electronics   *Mar. 2010 - Aug. 2013*

- Part completed second year

Online

Xero Advisor Certification - Xero
JAVA - Udemy
Python - Cognitive Class

References

CatalystCFO, Chris Vos	*+27 82 437 0688*
Launchlab, Keenan Stewart	*+27 82 790 7766*
World Merit SA, Odwa Mtembu	*+27 81 758 2012*
Jacana Media, Andisiwe Madavha	*+27 81 452 3521*
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