Moshe Matabologa

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# Professional Summary

Highly skilled and driven Software and Data Engineer with extensive experience in full-stack development, cloud technologies, and data analytics. Proven track record in building systems and solutions to streamline business processes, automate data workflows, and enhance operational efficiency. AWS Certified Cloud Practitioner with advanced expertise in Power BI, SQL, and Python. A creative problem-solver passionate about leveraging technology to meet organizational goals.

# Certifications

AWS Certified Cloud Practitioner (2024)

McKinsey Forward – Advanced Certificate

AWS Solutions Architect (In Progress) – Expected Completion: 2024

# Education

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| **School** | **Degree** | **Majors** |
| Wits Business School | Postgraduate Diploma Business administration | Finance, Statistics, Negotiation |
| Wits University | BA | Psychology, International Relations |

# Work Experience

## Graduate: Software and Data Engineer

BMW South Africa  
2022 – Present

* Selected as the first student from BMW South Africa for a 3-week program in England focusing on programming, systems, and data sciences.
* Rotated across three key departments (Logistics, People and HR, and Innovation Hub) to deliver technical solutions aligned with business needs.
* Spearheaded the development of systems using Python, Flask, Django, and
* AWS to solve business challenges and automate processes across various departments.
* Employed data mining techniques to analyze, extract, and interpret data for Logistics, Innovation, and HR.

**Key Achievements:**

* Developed a workflow software to streamline the recruitment process for HR using SAP ABAP and JIRA stories.
* Built an industry-standard feedback reporting tool for the Innovation Hub using AWS (Lambda, EC2, S3 Bucket).
* Designed a KPI tracking system for Logistics, integrating Python for data mining and Flask with CSS/HTML for a user-friendly interface.
* Created various Python and Linux Shell scripts to automate system administration tasks within the BMW drive.

# Technical Skills

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| --- | --- |
| **Skill** | **Used Case** |
| AWS | Certified Cloud Practitioner |currently sponsored to complete Solutions Architect at the end of 2024. Developing various solutions using AWS services like Wavelength, Lambda, Beanstalk, AWS IAM etc.  Use case is creating a filling system using S3 and S3 legacy to maintain documents for said period and deleting them as POPIA rules require. |
| Power BI | Built various dashboards to track various live Data like, vehicles leaving the line, malfunctions KPI’s etc. |
| SQL | Good understanding of SQL used case. Checking data base for clock in and clock outs for our associates to calculate the time they have worked. |
| Power Apps | Built App for our medical centre for associates to be able to book and schedule their medicals with the medical desk. |
| Linux/Bash Scripting | Using Scripting and automation to perform administrative task such as bulk filling and administration using Linux. |
| Python | My Daily bread, built numerous technologies aiming to mine data, track KPI’s, web pages using python |
| SAP Front end | Good understanding of the front end of SAP. Performing daily tasks on the system |