JAN MOTENE

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PROFESSIONAL SUMMARY

Results-driven **Data Scientist** and **Software Developer** with 2 years of experience in predictive modelling, data pipeline optimization, and actionable insights using advanced analytics and statistics. Proficient in Python, SQL, and machine learning. Skilled in stakeholder collaboration, data visualization, and delivering high-quality outputs. Passionate about leveraging data to drive business strategy and innovation.

TECHNICAL SKILLS

- **Programming Languages:** Python, SQL, Java, R (Beginner)
- **Data Science Tools:** SAS, Power BI, TensorFlow, Keras, Scikit-learn, MLFlow
- **Data Visualization:** Power BI, Matplotlib, Seaborn
- **Database Management:** MySQL, SQL Server, Oracle
- **Development Practices:** Agile, Test-Driven Development (TDD), Unit Testing, Version Control (Git)
- **Other Skills:** RESTful API Development, Data Modelling, Exploratory Data Analysis (EDA), Predictive Modelling

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PROFESSIONAL EXPERIENCE

Data Scientist Intern
Sand Technologies | Remote, SA
Sep 2024 – Nov 2024

- Developed predictive models and recommendation systems using **ML and generative AI**.
- Built efficient **data pipelines** for large-scale data preprocessing and analysis with Python and SQL.
- Conducted **exploratory data analysis (EDA)** to uncover trends and deliver actionable insights.
- Collaborated with cross-functional teams to deliver analytical solutions, improving decision-making.

Junior Software Engineer
Tshimologong Precinct | Johannesburg, Gauteng, SA
Jul 2023 – Jun 2024

- Built and maintained scalable **Java** and **Spring Boot** solutions following best practices.
- Designed and implemented **RESTful APIs** for seamless integration in distributed systems.
- Optimized **SQL queries** and database structures, improving system performance by 20%.
- Conducted **unit testing** and peer code reviews, ensuring zero defects in production releases.
- Collaborated with cross-functional teams to deliver high-quality, business-aligned software.

System Developer Intern
Dynamic DNA | Randburg, Gauteng, SA
May 2022 – April 2023

- Developed and maintained **RESTful APIs** for data integration, ensuring seamless integration.
- Conducted **unit and integration testing**, achieving a 95% defect-free release rate.
- Participated in **Agile Scrum ceremonies**, contributing to the timely delivery of key initiatives.
- Documented database structure changes and configuration files, ensuring accurate reference.
- Supported production query management and resolved incidents escalated by the operations team.

EDUCATION

Data Science Practitioner Level 05

ExploreAI Academy | Remote, SA

Jan 2024 – Dec 2024

- **Key Skills:** Data Manipulation, Data Governance, Machine Learning, Data Visualization, Analytical Programming, Data Mining

Diploma in Information Technology

Tshwane University of Technology | Pretoria, Gauteng, SA

Jan 2018 – Dec 2021

- **Key Skills:** Object-Oriented Programming, Database Management, Data Structures & Algorithms, System Analysis & Design, Web Development

CERTIFICATIONS

- **AWS Cloud Practitioner:** Amazon
- **Java SE 8 Programmer I (1Z0-808):** Oracle
- **Azure Fundamentals (AZ-900):** Microsoft
- **Azure Data Fundamentals (DP-900):** Microsoft
- **National Certificate in IT – System Development Level 05**

KEY ATTRIBUTES

- **Data-Driven Problem Solver:** Breaks down complex business challenges into actionable, data-driven solutions.
- **Stakeholder Collaboration:** Builds strong relationships with stakeholders to understand requirements and deliver insights that drive business strategy.
- **Analytical Excellence:** Leverages advanced, computer science skills, mathematical models and data insights to optimize business outcomes.
- **Curious & Courageous:** Driven by a passion for learning and mastering new tools and techniques in data science.
- **Action-Oriented:** Delivers high-quality, insightful outputs within agreed deadlines, ensuring business alignment.

REFERENCES

Available upon request.