

Kamogelo Ramantsima

Personal Information

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Location: Johannesburg, Gauteng, South Africa
Language: English

Hello, I'm Kamogelo Ramantsima, a passionate and dedicated professional aspiring to make my mark in the world of software development. With a strong foundation in backend and SQL technologies, I am driven to create efficient and scalable solutions that drive innovation.

As an Application Engineer, I have collaborated closely with cross-functional teams to develop and maintain robust backend systems. I am proficient in leveraging specific technologies and languages to deliver high-quality code and streamline processes. Notably, I have played a key role in optimizing SQL queries and enhancing database performance, improving system efficiency and productivity.

Academically, I have maintained an exceptional academic average of 81% for my diploma. Currently, I am pursuing an Advanced Diploma in Business Information Technology to further expand my knowledge and skills, staying up-to-date with the latest industry trends and emerging technologies.

I thrive on solving complex problems and translating stakeholder requirements into effective software solutions. With my strong analytical skills, I can quickly identify and troubleshoot backend-related issues, ensuring smooth system operation and minimizing downtime.

Driven by a passion for pushing the boundaries of software development, I am eager to contribute to innovative projects that make a meaningful impact. I approach every challenge with a growth mindset, continuously learning and improving my technical proficiencies.

Experience



DataOrbis / Application Engineer

02/2023 - Present

Database Development:

- Designed and implemented relational database schemas to support application requirements.
- Created tables, indexes, and constraints to ensure data integrity and optimal performance.
- Developed and maintained SQL scripts for data manipulation, including INSERT, UPDATE, DELETE operations.
- SQL Querying and Optimization:
 - Crafted complex SQL queries to retrieve, aggregate, and filter data efficiently.
 - Optimized SQL queries and database performance through indexing and query tuning.
- Analysed query execution plans and identified areas for improvement.

Stored Procedures and Views:

- Developed stored procedures to encapsulate business logic and promote code reusability.
- Implemented views to simplify data access and enforce security restrictions.
- Utilized stored procedures and views to improve application performance and maintainability.

Database Maintenance and Administration:

- Performed routine database maintenance tasks, such as backups, restores, and integrity checks.
- Monitored database performance and resolved issues related to storage, connectivity, and resource utilization.

Data Reporting and Analysis:

- Designed and generated custom reports using SQL queries and reporting tools.
- Extracted and transformed data for analysis and business intelligence purposes.
- Provided insights and recommendations based on data analysis to support decision-making.
- API Development and Integration:
 - Developed RESTful APIs to expose backend functionality to frontend applications.
 - Integrated third-party APIs and services into the application ecosystem.
 - Ensured API security and implemented authentication and authorization mechanisms.
- Collaboration and Teamwork:
 - Participated in code reviews, provided constructive feedback, and improved code quality.
 - Contributed to agile development processes and sprint planning.



SMOLLAN / OPERATIONAL INTELLIGENCE ADMINISTRATOR

07/2021 – 02/2023

- Maintain Applicable Databases
- Administrate the structured schedule for all necessary reporting
- Generate and analyse reports to identify exceptions
- Monitor systems implementation and usage and identifying exceptions and escalate appropriately
- Conduct pre-launch systems checks
- Support software users when necessary
- Ensure regular updates on home geo-coding and store geo-coding
- Compile and submit reports for auditing purposes and implement suggestions



WOOLWORTHS / STORE ASSISTANT

04/2018 – 10/2018

- Fielded questions and solved problems by informing customers of current promotions
Helped customers find merchandise.
- Offered each customer top-notch, personal service, and polite support to boost sales and customer satisfaction



AMROD / Machine Operator

11/2017 – 12/2017



ASSIGN SERVICES PTY LTD / Clothing Packer

11/2015 – 12/2015

Education



UNIVERSITY OF JOHANNESBURG / **ADVANCED DIPLOMA IN BUSINESS INFORMATION TECHNOLOGY**

2023– 11/2023

4th Year student



IIE ROSEBANK COLLEGE / **DIPLOMA IN INFORMATION TECHNOLOGY, SOFTWARE DEVELOPMENT**

02/2019 – 11/2021

3rd Year Academic Average - 81%



SANDTONVIEW COMBINED SCHOOL / **GRADE 12 (MATRIC)**

01/2012 – 12/2016

CERTIFICATION



freeCodeCamp / **JavaScript Algorithms and Data Structures**

Developer Certification, representing approximately 300 hours of coursework.



freeCodeCamp / **Responsive Web Design**

Developer Certification, representing approximately 300 hours of coursework.



HackerRank / SQL (BASIC)

Skills

- Programming
- Analytical Skills
- Web Development
- Microsoft Office
- OOP
- Algorithms and Data Structures
- Interpersonal Communication
- Innovative
- User Requirements
- Problem Solving

Programming / Query Languages & Technologies

- Java
- JavaScript
- CSS
- C# .Net
- SQL
- .Net
- C++
- GIT