



Michael Mathebula

Software Developer

Summary

I am a BSc Information Technology graduate from North-West University, graduating with distinction. I bring dedication, adaptability, and a passion for growth. Driven by curiosity and a love for solving complex problems, I am enthusiastic about tackling challenges and finding innovative solutions. My primary interests include, but are not limited to cybersecurity, software development, data analytics and databases. I aim to use my technical and analytical skills to make meaningful contributions and grow within a dynamic team. Joining your program will help me expand my expertise and collaborate with others to achieve excellence.

Skill

Soft Skills

Active Listening: Effectively understanding and responding to feedback or team discussions.

Adaptability: Thrives in dynamic environments, learning new tools and techniques efficiently.

Data Analysis: Interpreting data to drive insights and solutions.

Leadership: Guiding teams to achieve goals through motivation and clear direction.


Problem Solving: Identifying issues and implementing practical solutions efficiently.


Teamwork and Collaboration: Working effectively in diverse teams to achieve common objectives.

Works Well Under Pressure: Maintaining productivity and focus in high-stress situations.


Good Communication Skills: Clearly conveying ideas and fostering understanding across teams.

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Security Skills

Security Awareness Training: Educating users on cybersecurity best practices to reduce risks.

Technical Security: Implementing measures to protect systems from vulnerabilities.

Email Security Fundamentals: Ensuring safe email communication and defending against phishing threats.

Root Cause Analysis: Identifying the underlying causes of system issues or failures.

Software Review: Evaluating and improving code quality, performance, and security.

Education

Bachelor of Science in Information Technology

2022 – 2024

North-West University, Potchefstroom

- Graduated with distinction (Cum Laude).

Falcon Educational High School

2015 – 2019

- Completed Grade 12 (Matric) with strong results in Computer Applications Technology (6) and History (7).

Certifications & Training

Mastercard Cybersecurity virtual experience program on Forage - June 2024

- Completed a job simulation where I served as an analyst on Mastercard's Security Awareness Team.
- Helped identify and report security threats such as phishing.
- Analysed and identified which areas of the business needed more robust security training and implemented training courses and procedures for those teams.

Datacom Software Development Job Simulation on Forage - July 2024

- Completed a simulation focussed on how the software development team at Datacom approaches their work.
- Reviewed a web application and planned for future improvements.
- Identified the root cause of bugs and implemented a fix to improve the application.

AIG Shields Up: Cybersecurity virtual experience program on Forage - July 2024

- Completed a cybersecurity threat analysis simulation for the Cyber Defense Unit, staying updated on CISA publications.
- Researched and understood reported vulnerabilities, showcasing analytical skills in cybersecurity.
- Drafted a clear and concise email to guide teams on vulnerability remediation.
- Utilized Python skills to write a script for ethical hacking, avoiding ransom payments by brute forcing decryption keys.

Certificate of Continuing Education Completion (Cybrary)-CompTIA

Security+(SY0-601)

Successfully completing the 10 CEUS/CPES and 10 hours training course provided by Cybrary in CompTIA Security+ (SY0-601).

Projects

Developed System with a web and mobile app supported by a unified backend (Aug – Oct 2024)

- Designed and implemented a unified backend.
- Implemented a user login and registration system with JWT-based authentication.
- Implemented Role-Based Access Control
- Developed pages for viewing student submissions and feedback.
- Created a profile page enabling users to update personal information in the database.
- Added logout functionality for secure session management.
- Deployed the application to the cloud and connected the backend API to an Azure-hosted database.
- Maintained consistent coding practices learned online, with variations in syntax and function implementation.
- Used containerization for deployment, ensuring version control while pushing to Azure.
- Tested APIs extensively using Postman.
- Deployed frontend using Netlify.

+ Technical Skills

Programming Languages: C#, C++, Python, Java, HTML (Markup language).

Tools and Platforms: VS Code, Docker, GitHub, Postman, Word, Excel, and PowerPoint.

Database Management: MySQL Workbench, SQL Developer.

Cloud and Deployment: Azure (Container instances, Databases), Netlify.

Languages: isiZulu (Native), English (Fluent), and Sesotho.

Interests

I go to the gym, focusing on physical fitness, which highlights my discipline, dedication to self-improvement, and commitment to maintaining a healthy lifestyle. I enjoy coding, as it enhances my problem-solving skills, logical thinking, and passion for technology. My interest in art allows me to appreciate storytelling and explore imaginative and limitless perspectives on various ideas and concepts.



References

- Mr Henri van Rensburg (NWU Lecturer) – 018 299 4257
- Charmaine Msibi (Colleague) - 061 004 9370