

NOKUTHULA MKHWANAZI

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JUNIOR SOFTWARE DEVELOPER

SUMMARY

IT: Software Development graduate from Nelson Mandela University, Proficient in C#, Python, and JavaScript, with hands-on experience in web development and database management. Successfully led a healthcare management system project, improving system efficiency by 20% and reducing patient data processing time by 30%. Developed a freelance website for a small business, leading to a 40% increase in online appointment bookings and a 35% improvement in customer engagement. Seeking a role to further apply and grow my skills in a collaborative tech environment.

EDUCATION

Nelson Mandela University – Port Elizabeth, EC

02/2020 – 11/2023

National Diploma (Information Technology: Software Development)

- Key Modules: Development software, technical programming, Internet programming, Information systems, Networks, IT Essentials, Support Services, IT Skills

SKILLS

Technical skills: C#, Python, HTML5, CSS, JavaScript, ASP.NET MVC, .NET Framework, RESTful APIs, Microsoft SQL Server, Anaconda

Analytical skills: Data cleaning, preparation, and visualization

Methodologies: Object-oriented programming (OOP), Agile methodologies, Software development lifecycle (SDLC)

Tools: Microsoft Office suite, Visual Studio IDE, Microsoft Project, GitHub

PROJECTS

Sleeked website

Freelance website

- Developed a salon website for a small business, "Sleeked" using HTML, CSS, JavaScript and React to showcase salon services and previous work to potential clients which led to 40% increase in online appointment bookings.
- Implemented a contact form feature, improving customer engagement by 35%
- Gained valuable experience in debugging, troubleshooting and testing issues throughout the development process, writing clean and efficient code.

Healthcare management system

Collaborative school project (February 2023- November 2023)

- Collaborated with a team to design and implement an MVC project enhancing efficiency of a healthcare management system.
- Led the development of the system, leveraging ASP.NET MVC, RESTful APIs and SQL Server, resulting in a 20% improvement in system efficiency and a 30% reduction in processing time for patient data management.
- Demonstrated proficiency in SQL Server, optimizing database queries and contributing to a 15% reduction in response time.
- Successfully deployed the system, resulting in 90% reduction in manual data entry errors.

WORK EXPERIENCE

Examination Assistant - James Nxumalo Agricultural School

12/2022

- Counted and sorted examination scripts, ensuring accuracy and matching the number written outside the paper.
- Developed strong attention to detail, ensuring precise counting and sorting.
- Collaborated with team members to meet deadlines, completing tasks 4 days ahead of schedule.
- Demonstrated effective communication and problem-solving skills.
- Adapted quickly to a fast-paced environment.