Mthobeli Ndzobole

Full-Stack Developer

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SUMMARY

Ambitious and results-driven Full stack Developer with over 3+ years of experience in building scalable web applications using Python, Django, REST APIs, and MySQL. Skilled in both backend and frontend development with HTML, CSS, and JavaScript. Strong problem-solver with a passion for creating efficient, user-friendly systems and contributing to collaborative development teams.

SKILLLS

- **Python –** Proficient in writing clean, maintainable backend code for automation, web applications, and full-stack development
- **Django & Django REST Framework –** Skilled in building secure, scalable web apps and APIs using Django ORM, authentication, and admin tools**.**
- **HTML & CSS –** Capable of building responsive, accessible, and cross-browser-compatible web interfaces using modern design standards.
- **SQL** – Proficient in relational database design, complex queries, joins, and performance optimization**.**
- **RESTful API Development –** Experienced in designing and building efficient REST APIs using Django REST Framework for seamless frontend-backend integration.
- **Git & GitHub –** Comfortable with version control, branching, and collaborative workflows; experienced in project versioning and code reviews.

WORK EXPERIENCE

uMngeni Water Service

Administrator/Web Developer | June 2024 – August 2025

- Initially served as an administrator, supporting the recruitment of learners for learnerships, internships, and in-service training programs.
- Guided applicants through the application process and maintained accurate learner records for submission to SETA
- Transitioned into a software development role to address inefficiencies in the placement process.
- Designed and developed a Python Django-based web application to manage recruitment and placement of student.

- The platform enables potential employers to browse and select suitable candidates, streamlining placement and improving collaboration between stakeholders.
- Focused on building a scalable, user-friendly system that enhances the visibility and accessibility of graduate profiles
- Mentored learners in the Systems Development Learnership program, providing guidance on technical skills, fundamentals of Python Language, and professional development.

KZN Sports Confederation (KZNSC)

ICT Internship | July 2022 - May 2024

- Designed and implemented agile development workflows to ensure project flexibility and timely delivery.
- Developed a web application to streamline data collection and management of federation representatives participating in major sporting events such as World Cups and the Olympics.
- Built the backend using Python and Django, leveraging Django REST Framework to create secure and scalable RESTful APIs.
- Collaborated closely with planners and stakeholders to gather requirements and ensure the system met specific event planning needs.

Universal Networks

Technical Support Learnership | February 2022 June 2022

- Collaborated with IT team members and supervisors to enhance troubleshooting capabilities and analytical problem-solving skill.
- Communicated technical findings to end-users, clearly explaining diagnostics and available service or repair options.
- Installed and configured new desktops, servers, and other hardware components to support organizational IT infrastructure.

EDUCATION

National Senior Certificate | NQF 04	**January 2014 - December 2016**
Magadla Senior Secondary School	**Matatiele, Eastern Cape**

Subjects Passed: Mathematics, Physical Sciences, Life Sciences, Geography, IsiXhosa, English, and Life Orientation

National Diploma in ICT | NQF 06	**January 2019 – December 2021**
Durban University of Technology	**Durban KwaZulu-Natal**

Relevant Coursework: Programming Fundamentals in C#, Web Development (HTML, CSS), Database Design and Management (SQL), Systems Analysis and Design, Object-Oriented Programming, Mobile Application Development, Software Development Lifecycle (SDLC), Agile Project Management, IT Support and Troubleshooting.

PROJECTS EXPERIENCE

COLORS APPLICATIONS - (KZNSC) | August 2023 – June 2024

Client: KZN Sport Confederation

Description: Developed a web-based system for the KZNSC to streamline the collection and management of federation representatives' information for major sporting events, including World Cups and the Olympics. The platform allows athletes to submit applications, and once approved, automatically generates certificates for successful applicants.

I was responsible for the end-to-end development of a Django-based web application designed to replace a legacy, manual process for managing the accreditation and data of federation representatives at KwaZulu-Natal Sports Confederation. The goal was to create a centralized, secure, and scalable system to handle sensitive data for athletes in different sport codes provincially.

Role:

- Designed the agile development models to ensure an efficient and flexible development process.
- Implemented the project using Python and the Django framework.
- Utilized the Django rest framework for building restful APIs.

Key contributions:

- Established an agile development workflow, enhancing project adaptability.
- Designed and implemented features for efficient data collection and event management.
- Collaborated with the client to ensure the system met their specific event planning needs.

Technologies used:

- Python, Django, Django Rest Framework, JavaScript, MySQL, CSS HTML
- Version Control GitHub repository: [private]
- DigitalOceans for Deployment

Graduates Placement System

Client: Umgeni Water Services

Description: Developed a Django-based application to streamline the recruitment and placement process for learners at Umgeni Water Services. The application maintains a comprehensive database of students, allowing employers to browse and select candidates for internships and in-service training. This platform ensures efficient learner placement and improves collaboration with employers.

Role:

- Designed agile development models to ensure a smooth and adaptable development process.
- Implemented the project using Python and Django, with a focus on scalability and maintainability.

Key Contributions:

- Established an agile workflow, improving the flexibility and efficiency of the project.
- Built core features to streamline student data management and facilitate employer-student matching.
- Collaborated with stakeholders to ensure the platform met their recruitment and placement needs.

Technologies Used:

- Python, Django Rest Framework MySQL Database
- Design & Frontend: HTML, CSS and JavaScript
- Git for Version Control
- Azure Cloud for Deployment

REFERENCES

Cedric Van de Merwe –   Assistant manager
                                        082 780 5220

Dylan Thompson –EdTech Manager
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