

NOKULUNGA MSABALA

SOFTWARE DEVELOPER/ ASPIRING DATA ANALYST/Low
Code Automations Engineer

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🌐 <https://github.com/NokulungaM> 📍 Cape Town



PROFESSIONAL EXPERIENCE

AI Full-Stack Developer Student

2023 - Present

Project Y

Johannesburg

- Developed responsive web interfaces using HTML, CSS, and JavaScript, ensuring cross-browser compatibility and mobile responsiveness.
- Implemented front-end features with React, enhancing user experience and website performance.
- Built server-side logic using Node.js and Express, creating RESTful APIs to handle data exchange.
- Collaborated with UI/UX designers to translate wireframes into interactive web pages, providing feedback for improving user flow.
- Participated in Agile ceremonies and worked closely with cross-functional teams, communicating progress and challenges effectively.
- Debugged and resolved technical issues in both front-end and back-end code, using various debugging tools and techniques.
- Developed and maintained server-side logic using languages such as Python, Java, Node.js,
- Implemented front-end features with frameworks such as React

Microsoft Power Plattform Learnership

2023 - 2023

NetCampus

Centurion

- Participated in comprehensive training sessions covering Microsoft Power Platform components: Power BI, Power Apps, Power Automate, and Power Virtual Agents.
- Developed custom applications using Power Apps, addressing specific business requirements and improving operational efficiency.
- Built automated workflows with Power Automate, streamlining business processes and integrating with various Microsoft services.
- Created interactive reports and dashboards using Power BI, enabling data-driven decision-making.
- Designed and managed chatbots with Power Virtual Agents, enhancing customer support through automated conversational agents.
- Making by visualizing key insights.
- Collaborated on real-world projects, applying skills to solve actual business problems and delivering impactful solutions.
- Engaged in team activities, including Agile ceremonies, and effectively communicated progress and challenges with team members and stakeholders.
- Continuously updated knowledge on the latest Power Platform features and best practices, implementing feedback from mentors and peers to improve solution quality.

Low-Code Automations Engineer

2024 - 03/2024

Pilot Projects(contract)

Remote

- **Automation Development:** Built and optimized automated workflows using **Integromat** (now Make), streamlining business processes and enhancing productivity.
- **Data Management & Integration:** Ensured seamless data flow and integration between platforms such as **Airtable**, **HubSpot**, and other third-party apps, improving overall operational efficiency.
- **VideoAsk Integration:** Utilized **VideoAsk** to automate customer interactions, collecting and managing responses effectively for improved lead management and user engagement.
- **Front-End Dashboards:** Developed user-friendly front-end dashboards using tools like **Glide** and **Softr**, enabling real-time data visualization and accessibility for business users.
- **Custom Marketing Flows:** Designed and implemented automated marketing workflows in **HubSpot**, ensuring smooth lead nurturing and enhanced marketing campaign performance.
- **Data Integrity:** Regularly monitored and maintained data accuracy across multiple systems, identifying and resolving integration issues to ensure high-quality, actionable insights.
- **Process Optimization:** Collaborated with cross-functional teams to identify automation opportunities, driving continuous process improvements and reducing manual workload.

SUMMARY

Passionate Software Engineer and Data Analyst with 2 years of experience in developing web applications, backend systems, and performing data analysis. Skilled at writing clear, concise code that is easy to maintain and troubleshoot, and adept at analyzing complex datasets to derive actionable insights. Experienced in working with both small and large teams across multiple projects and companies. Able to work independently in remote locations or in office environments as needed by the company.

A hardworking, smart fast learner who finds it easy to adapt to different environments. I am an inquisitive mind always on the search for new developments. An aspiring innovator who is self-motivated and loves all things "Tech". I have great interest in web design, automation testing, application development, and data visualization.

New technologies such as Artificial Intelligence (AI), Microsoft Power Platform, and Data Science have recently become a topic of interest for me. With skills in CSS, SQL, Python, Java, HTML, and Test-Driven Development that I gained at WeThinkCode_, I have participated in several Hackathons, both virtual and in-person.

I have thorough experience in the retail industry, which has honed my customer service skills. I thrive in environments where I can engage with and learn from people from diverse backgrounds.

Objective: To leverage my creativity and coding skills to develop visually compelling and effective data analyses and software solutions that meet the needs and exceed the expectations of clients.

PROFESSIONAL EXPERIENCE

Technical support Advisor2023 - 2023

NutunCxDurban

- Assisting Walmart customers with any technical difficulties encountered on the Walmart App or Website.

Technical Support Advisor2021 - 2023

WeThinkCodde__Durban

- Manage all bootcamp Technical queries for bootcampers both virtual and on-site (providing and correcting credentials)
- Attend to all queries via various platforms
- Manage mailbox
- Provided technical guidance and support to students, helping them understand coding concepts and solve programming challenges.
- Conducted regular code reviews, offering constructive feedback to improve code quality and adherence to best practices.
- Assisted students in setting learning goals and developing personalized learning plans, recommending resources such as books, courses, and tutorials.
- Kept students informed about the latest industry trends and best practices, sharing personal experiences to inspire and guide their learning journey.
- Encouraged critical thinking and problem-solving skills, guiding students through complex technical challenges and providing support and encouragement.
- Created a positive learning environment, fostering a growth mindset and celebrating student successes and learning experiences.
- Monitored student progress, providing regular, constructive feedback, and helping students reflect on their learning journey to identify areas for improvement.

EDUCATION

FINANCIAL MANAGEMENT2016 - 2019

eThekwini CollegeDurban

AI FULL STACK DEVELOPMENT2024 - 2024

Project YJohannesuburg

SYSTEMS DEVELOPMENT2021 - 2023

WeThinkCode__Durban

KEY ACHIEVEMENTS

Video Response Automation
Project Tools: VideoAsk,
Airtable, AI Integration, Loom

- Developed a video response collection system for job applicants using **VideoAsk**.
- Automated the submission process, which included capturing the video response link, generating a full transcript, and creating an AI-powered summary.
- Integrated the responses, transcripts, and summaries into **Airtable** for seamless data management and accessibility.
- Recorded a detailed walkthrough of the infrastructure, explaining the approach, challenges encountered, and potential improvements.
- Focused on optimizing workflow efficiency and ensuring accurate data transfer between platforms.

SKILLS

Tools

C# · Python · Tableau · mySQL ·
Power BI · React. ReactDOM · Java ·
Javascript

Operating Systems

Ubuntu · Linux · Windows