Sphamandla Gumede

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Summary

Highly motivated Full-Stack Software Engineer with **3+ years of experience** in building responsive web applications and a **strong passion for data-driven solutions**. Proficient in UI/UX principles, RESTful API development, and dedicated to clean code architecture. Actively expanding expertise in **Data Analytics and Business Intelligence**, with hands-on experience in **data modeling, visualization, and preparing data for analysis using Power BI**. Committed to leveraging data to deliver actionable insights and drive informed business decisions.

Skills

- **Data Analysis & Business Intelligence:**
  - **Tools:** Microsoft Power BI (from PL-300 preparation), Power Query (M Language), DAX (Data Analysis Expressions) - *Added specific Power BI components*
  - **Concepts:** Data Modeling (Star Schema, Relational Design), Data Visualization, Report & Dashboard Creation, Data Transformation & Cleaning (ETL principles), Business Intelligence Fundamentals
  - **Databases:** MySQL, SQL Server, Relational & Non-Relational Databases (for data extraction and understanding source systems) - *Emphasized data extraction relevance*
- **Cloud & AI:** Microsoft Azure (from AI-900 certification), Azure AI Services, Machine Learning Fundamentals, Computer Vision, Natural Language Processing (NLP), Generative AI (from AI certifications), Power BI, Data Modeling, Data Visualization (from PL-300 preparation).
- **Front-End Development:** React.js, HTML5, CSS3, Tailwind CSS, JavaScript (ES6+), Responsive Design, UI/UX Principles, Bootstrap, Next.js
- **Back-End Development:** Node.js, Python, RESTful API Development
- **Development Tools & Practices:** Git (Version Control), Software Development Life Cycle (SDLC), Object-Oriented Programming (OOP), Code Architecture & Best Practices, CI/CD Pipelines.
- **Design & Documentation:** UI/UX Design Tools (Adobe XD, Figma, Lunacy, Canva), Microsoft Office 365, Google Docs.

Certificates

- **Microsoft Certified: Azure AI Fundamentals (AI-900) - June 2025**
  - Demonstrated foundational knowledge in Artificial Intelligence (AI) and Machine Learning (ML) concepts on Microsoft Azure. Understands AI workloads, including Computer Vision, Natural Language Processing, and Generative AI, and responsible AI principles.
- Introduction to Cloud Computing
- Introduction to Data Science using python - level 1
- Amazon Web Services - Level 1

Work History

Freelance Web Developer | 2022-09/2024

- Developed and maintained 3+ responsive websites, often involving **data integration and presentation**, ensuring high performance and optimal user experience.
- Formulated and executed feasible site development plans, **including data flow and display strategies**, to meet scheduled development, testing, and launch dates, overseeing multiple projects concurrently.
- Performed code reviews for structure validations, security assessments, and verification of cross-platform compatibility, contributing to code architecture and best practices.
- Conducted research, design, and wireframing for prototyping designs, **often focusing on effective data presentation and user interaction with data**, before initiating development phases, aligning with UI/UX principles.

Software Developer Trainee | Mangosuthu University of Technology, Durban, South Africa | 12/2020-03/2021

- Successfully planned and executed fundamental Software Development Life Cycle (SDLC) procedures, encompassing **database development, user interface implementation for data entry/display**, and comprehensive documentation creation to drive project success.
- Conducted thorough source code reviews, identifying functionality issues and proposing actionable solutions to enhance performance and adhere to code architecture and best practices.
- Spearheaded user testing initiatives to validate software's alignment with user-centric design principles, functional efficiency, and system requirements, guaranteeing an exceptional user experience and optimal functionality.

- Proactively identified and addressed usability issues, bugs, and areas for improvement prior to final release, ensuring a high-quality product.
- Delivered clear and concise progress reports during team meetings, effectively communicating challenges, successes, and key takeaways for seamless project progression.

Education

National Diploma in Information Technology (NQF 6), Mangosuthu University of Technology (2020)
Matric (Grade 12 - National Senior Certificate), Kwasanti High School (2016)

Competencies

Software Development | Troubleshooting | Full-Stack Development | Programming & Algorithms | **Data Analysis** | Database Management | Collaborative Teamwork | Effective Communication | Problem Solving | Continuous Learning & Adaptation