

Siboniso Njongo

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Objective

Enthusiastic and ambitious individual who is prepared to achieve the desired goals of any job description within my skillset. I am a Full Stack Developer, Certified AWS Cloud Practitioner and Qualified Computer Systems Engineer as well as Salesforce certified Administrator and AI Associate. I am able to apply my critical thinking and decision making skills in time-sensitive situations and I pay attention to detail. I am a practical, and assertive person who learns by testing out new situations and assessing the results thereof.

Experience

- SpecCon Holdings** 2024 - PRESENT
.NET Developer
Developed and maintained a fully functional Learning Management System (LMS) using Blazor, MudBlazor, and Razor Components for the front-end UI.
Designed and implemented learners, facilitators, and clients pages with role-based access for administrators. Created services, models, and DTOs to support modular and maintainable application architecture.
Built and consumed ASP.NET Core Web APIs to deliver and manage data between the front-end and backend systems.

Collaborated with the development team to deploy applications to Microsoft Azure and manage cloud-hosted environments
Utilized GitHub for version control, branching strategies, and collaborative code reviews to ensure high code quality.
Optimized front-end performance and enhanced user experience through responsive design and component reusability.
Worked closely with cross-functional teams to ensure LMS features met business requirements and industry standards.
- Forge Academy & Labs** Jan 2024 - Dec 2024
AWS Cloud Practitioner Intern
Designed, developed, and deployed cloud-based solutions leveraging AWS S3 for scalable storage, AWS RDS for relational database management, and DynamoDB for high-performance NoSQL data handling.

Implemented AWS Glue and AWS Data Pipeline for automated ETL processes, enabling efficient data ingestion, transformation, and transfer across systems.

Utilized AWS EC2 and EBS for compute and block storage, ensuring reliable application hosting and performance optimization.

Configured and managed networking services including Route 53, Direct Connect, CloudFront, and Elastic Load Balancing for high availability and low-latency delivery.

Developed and deployed a hackathon award-winning application fully integrated with AWS services, demonstrating innovative problem-solving and cloud-first architecture.

Applied version control best practices using GitHub for collaborative development and continuous integration.
- 4IR Research Lab** Jun 2022 - June 2023
Systems Developer & Machine Learning Engineer
Development of security system using Python, C#, PHP, MYSQL, for both software development and hardware configurations and integration[biometrics, keypad, rfid tag].
Development of Student Management Systems using Core PHP, C# and SQL, where students can register on the institution, choose their courses and be able to log in the LMS using their credentials.
Build and maintain industrial automation using Siemens PLC and IFM Smart PLC for defect cans conveyor belts and ripe and unripe fruits and vegs integrated with OpenCV for real-time detection.

Collected and pre-processed large datasets for ML pipelines using OpenCV, NumPy, and Pandas.

Developed a license plate detection system using YOLOv7 for object detection and OCR for text recognition.

Trained high-performance object detection models on large datasets, applying deep learning algorithms to improve accuracy and inference speed

Education

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| <ul style="list-style-type: none">• Tshwane University of Technology
NDip. In Computer Systems Engineering
Completed | 2024 |
| <ul style="list-style-type: none">• Impoqabulungu Senior Secondary School
National Senior Certificate
Bachelor's Admission | 2016 |

Skills

- C#.NET
- ASP.NET CORE
- MudBlazor
- Python
- Linux
- C++
- MYSQL
- JavaScript
- NumPy
- PySpark
- Troubleshooting
- Amazon Web Services
- Communication
- Complex Problem Solving

Achievements & Awards

- AWS Cloud Practitioner Certificate
- Full Stack Web Development Certificate
- Hackathon Award Winning Project
- Forge Academy Top Achiever
- Salesforce Administration Certificate
- Salesforce AI Associate

Reference

- Available upon request