Solomon Karabo Makgoba

Junior Software Developer

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Johannesburg | Pretoria, ZA

Ambitious and detail-oriented Cloud Engineer / Software Developer with hands-on experience in AWS cloud tools, software development, and AI automation. I have Strong background in Python, and JavaScript with exposure to cloud-based, Full stack web development. Certified AWS Cloud Practitioner with proven ability to support cloud operations and follow corporate coding principles.

Work Experience

Graduate Software Developer   Feb 2024 - Present

BMW Group South Africa | Pretoria, South Africa

- Drive innovation and digitalization initiatives within the site security department at BMW Plant Rosslyn.
- Developed and trained AI object detection models and integrated into existing CCTV surveillance systems to enhance operational efficiency and risk detection.
- Performed Full stack development of web-based applications using modern frameworks and AWS services for department optimization, Automating and digitalizing 30% of manual process.
- Collaborating cross-functionally with engineers and risk specialists to optimize manual processes and data workflows.
- Support Security Department in digitization and innovation initiatives.

Student Tutor – Development Software A1- Temp   Jun 2023 - Dec 2023

University of Johannesburg | Johannesburg, South Africa

- Taught Object-Oriented Programming (OOP) concepts using Python and C#.
- Assisted students with debugging, code optimization, and understanding key programming principles.
- Promoted software development best practices and effective problem-solving approaches.

Student Front-End Developer - Temp   Jun 2022 - Dec 2022

University of Johannesburg | Johannesburg, South Africa

- Translated Figma UI/UX designs into responsive, functional web applications using JavaScript and ReactJS.
- Worked closely with project managers to ensure timely delivery of user-friendly web interfaces.

Education

University of Johannesburg   Dec 2023
Advanced Diploma (NQF: Level 7) Information Technology

University of Johannesburg   Dec 2022
Diploma (NQF: Level 6) Business Information Technology

Norkem Park High School   Dec 2019
National Senior Certificate (NQF: Level 4)

Core Skills

Cloud & DevOps: AWS – ECR, ECS, IAM, Lambda, DynamoDB, Git and GitHub etc.
Programming: JavaScript, Python, React.js, React Native, Flask, HTML, CSS, CSS Tailwind.
Data & Tools: PostgreSQL, NoSQL, REST APIs, Microsoft Office Suite.
Other: OpenCV (Computer Vision).

Certificates

AWS Cloud Practitioner Foundational Certificate   Nov 2024
Amazon Web Services

References:

Available upon request