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, C#, and JavaScript with exposure to cloud-based, Full stack software 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, EC2, S3, IAM, Lambda, VPC, DynamoDB, GitHub, CI/CD, Nodejs, Python
Programming: JavaScript, C#, React.js, React Native, Flask, HTML, CSS, CSS Tailwind
Data & Tools: PostgresSQL, Microsoft Office Suite, Confluence/Jira
Other: RESTful APIs, OpenCV (Computer Vision)

Certificates

AWS Cloud Practitioner   Nov 2024
AWS

References

Muhammed Dangor
IT Enabling Plant: Enabling DevOps, provides IT development and support for Customs, Finance, Retail, Local Purchasing, HR and RPA.
Contact: +27 716660220
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Pauline Penzula
Control Room Coordinator: Oversee and manage the daily operations of BMW Group South Africa's security control room.
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