

# Solomon Karabo Makgoba

## Cloud Engineer / Software Developer

**Location:** Johannesburg, South Africa (Willing to Relocate)

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## Professional Summary

Ambitious and detail-oriented Cloud Engineer / Software Developer with hands-on experience in AWS cloud tools, software development, and automation. Strong background in Python, C#, and JavaScript with exposure to cloud-based application development. Certified AWS Cloud Practitioner with proven ability to support cloud operations and follow coding principles.

## Core Technical Skills

**Cloud & DevOps:** AWS (EC2, S3, IAM, Lambda, VPC, DynamoDB), Linux/Windows Administration.

**Programming:** Python, C#, JavaScript, Node.js, React.js, React Native, Flask, HTML, CSS, CSS Tailwind.

**Data & Tools:** DynamoDB, PostgreSQL, Microsoft Office Suite, Confluence/ Jira, GitHub.

**Other:** RESTful APIs, OpenCV (Computer Vision).

## Professional Experience

### Graduate Software Developer

BMW Group South Africa | **Feb 2024 – Present**

- Drive innovation and digitalization initiatives within the security department at BMW Plant Rosslyn.
- Contribute to AI integration within CCTV surveillance systems to enhance operational efficiency.
- Develop mobile and web-based applications using modern frameworks and AWS services.
- Collaborate cross-functionally with engineers to optimize software solutions and data workflows.
- Support Security Department in digitization and innovation initiatives.

### Student Tutor – Development Software A1

University of Johannesburg | **Jul 2023 – Dec 2023**

- 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

University of Johannesburg | **Jun 2022 – Nov 2022**

- 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

**Advanced Diploma in Information Technology (NQF Level 7)** – University of Johannesburg, 2023

**Diploma in Business Information Technology (NQF Level 6)** – University of Johannesburg, 2022

**National Senior Certificate (NQF Level 4)** – Norkem Park High School, 2019

## Certifications

**AWS Cloud Practitioner – Foundational** (Valid: Nov 2024 – Nov 2027)

## Soft Skills

Analytical Thinking | Team Collaboration | Documentation & Knowledge Management | Communication | Adaptability | Continuous Learning