

Sahur Maharaj

Senior Software Developer



Innovative developer with a passion for crafting elegant solutions in Python, C#, and full-stack development. Specializing in high-performance web applications with sleek, user-centric interfaces. Bringing cutting-edge RPAS (Remotely Piloted Aircraft Systems) expertise to the table—designing smart drone software, automating aerial data workflows, and building real-time control systems that soar above the competition.

Contact

- Midrand, South Africa
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Technical Skills

FRONTEND

- JavaScript
- React & Next.js
- HTML5 & CSS3

BACKEND

- Java
- MSSQL
- Python (Flask)
- C# (Dot Net Framework)

TOOLS

- Git & GitHub
- Docker
- CI/CD Pipelines
- Azure
- AWS
- Power BI
- Office

Education

2018

Matric

Abbotts Collage Johannesburg South

2019

Information Systems Technology

Academic Institute of Excellence

2020

Remote Pilot License #0275500111

Cranfield Aviation

2021

AWS Certified Cloud Practitioner

Edusignis/Praesignis

2022

Higher Certificate Software Development

Eduvos

2024 - Present

Private Pilot License - Training

CFA (Commercial Flying Academy)

Professional Experience

2023 - Present

BI Consultant

Sambe Consulting

As a Business Intelligence Consultant, I design and implement data-driven solutions that transform raw data into actionable insights. My responsibilities include:

- Developing interactive dashboards and reports using Power BI to visualize key business metrics
- Writing complex SQL queries to extract, transform, and analyze data from multiple sources
- Collaborating with stakeholders to identify business requirements and translate them into technical solutions
- Optimizing data models and ETL processes to improve performance and efficiency
- Training end-users on BI tools and best practices for data analysis

2021 - 2022

Remote Pilot & Maintenance Technician

UAV and Drone Solutions

As a certified Remote Pilot and Maintenance Technician, I specialized in UAV operations with key responsibilities including:

- Conducted aerial surveillance missions for security and monitoring purposes
- Performed routine maintenance and troubleshooting on drone hardware and software systems
- Ensured compliance with aviation regulations and safety protocols
- Managed flight planning, pre-flight checks, and post-flight analysis
- Diagnosed and repaired mechanical and electrical components of UAV systems

Featured Projects

E-Commerce Platform

Flask | 2020

Developed a full-featured e-commerce platform with product filtering, shopping cart functionality, and Stripe payment integration. Implemented server-side rendering for optimal SEO performance and responsive design for all device types.

Task Management App

C# | 2021

Created a real-time collaborative task manager with drag-and-drop functionality, user authentication, and offline-first capabilities. Implemented using .NET Framework with Entity Framework for data persistence and SignalR for real-time updates.

Certifications

2019

MCSD & MCSA

Microsoft Certified Solutions Developer and Microsoft Certified Solutions Associate certifications demonstrating expertise in application development and database solutions using Microsoft technologies.

2021

AWS Certified Cloud Practitioner

Validated foundational knowledge of AWS cloud services, architecture, security concepts, and the AWS shared responsibility model.

2022

Microsoft Azure Fundamentals

Demonstrated understanding of core cloud concepts, Azure services, workloads, security, privacy, compliance, and pricing.

Awards & Recognition

2021

Best UI Implementation

Recognized for creating an innovative user interface that improved customer engagement by 35%. The design significantly reduced bounce rates and increased conversion through intuitive navigation and responsive design.

2022

Innovation Award

Awarded for developing a solution that reduced server costs by 25% through optimized API calls, efficient data fetching strategies, and implementation of caching mechanisms.

Personal Interests



Drones



Cars



Aviation



AI & ML



RC Modeling



Electronics