

Francois Basson

Python Full-Stack Software Engineer

Cape Town, South Africa

sadrok.za@gmail.com

072 435 9856

github.com/sadrok

PROGRAMMING LANGUAGES

Python JavaScript
TypeScript

FRAMEWORKS & DATA

React Pyramid
PostgreSQL MySQL
Kafka

DEVOPS & CLOUD

Kubernetes Docker
Google Cloud CI/CD
Jenkins

OTHER

Microservices REST APIs
Git

EDUCATION

B.Sc Computer Science & IT

University of South Africa (UNISA) ·
2005

Specialization in Software Engineering

LANGUAGES

Afrikaans · English

INTERESTS

- + 3D modelling & animation (Blender)
- + Music production (Reaper)
- + Learning Go and Rust

SUMMARY

Senior software engineer with 9 years of full-stack experience building and optimizing Python and React/TypeScript applications. Skilled in designing and maintaining cloud-based microservices on Kubernetes, and in strengthening system reliability across high-stakes production environments. Brings a background in industrial instrumentation, a close eye for process rigor, and ongoing exploration into Go and Rust.

EXPERIENCE

Senior Software Engineer

2017 – present

Takealot.com

- Lead the design, architecture, and development of new features, contributing to the growth and enhancement of Takealot's retail division.
- Develop backend services in Python, using MySQL and PostgreSQL databases, and frameworks including React, Pyramid, and an in-house Google-Protobuf-based RPC architecture.
- Operate systems hosted on Google Cloud (GKE), leveraging Gitlab CI/CD pipelines, Argo, and Kubernetes infrastructure built by the release-engineering and DevOps teams.
- Collaborate across teams, offering guidance and constructive feedback to junior developers during code reviews.

Senior Artisan Instrumentation Mechanic

2010 – 2017

SASOL Synfuels

- Installed and maintained process instrumentation, including control valves and transmitters, ensuring accurate and reliable system performance.
- Configured and optimized control loops on DCS/PLC systems, specifically Siemens Moore, contributing to improved process control.
- Collaborated with instrumentation technicians, electrical teams, and mechanical teams on installation and maintenance projects.