

BARRY KEITH SALMON

PYTHON DEVELOPER

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SUMMARY

Python developer with degrees in Military Technology and Defense Management, specializing in software, data, and systems. Proficient in Python, Django, PostgreSQL, Pandas, and API integration. Strong foundation in algorithms, statistics, and full-stack development, with additional skills in Docker, Git, and UI/UX design using Figma.

TECHNICAL SKILLS

Core - Python, PostgreSQL(Database), Django(Web), Pandas(Data handling), smtpLib(email), TKinter(GUI), Pygame & Turtle(Games), Pip Env.

Complementary - Computer Science, Algorithms and Data Structures, Calculus, Linear Algebra, Physics, Statistics, Full Stack Web Developer, Regex, GIT with Bash, GitHub Actions, API with Postman, Virtualisation with Virtual Box & Docker.

Supplementary - JavaScript/React Developer, PHP Developer, System Administration, Database Administration, UX/UI Designer with Figma, Information security systems, Managerial

PROFESSIONAL EXPERIENCE

2005 - 2021

Airforce Navigator Instructor (Retired Major) | South African Air Force

- **16 Squadron** – Trained as a Weapon System Officer on the Rooivalk Attack Helicopter; also served as Project Officer.
- **80 Air Navigation School** – Navigator Instructor, delivering aviation training; additionally held roles as *Flight Safety Officer* and *OHS Manager*.
- **22 Squadron** – Trained as a Tactical Air Coordinator (Super Lynx Helicopter); also served as *Flight Safety Officer*, IT Officer, and *Air Publication Officer*.
- **35 Squadron** – Operated as a Maritime/Electronic Warfare Navigator (C47-TP Dakota); also contributed as *Flight Safety Officer* and IT Officer.

EDUCATION

Bachelor in Military Studies - Program in Technology & Defense Management University of Stellenbosch

2013 - 2017

- Java Programming, Aeronautical Science, Statistics, Information Warfare, Electronic Warfare, and Military Psychology.
- Strategy, Security Studies, Economics, Management (Project, Strategic, Financial, Logistical)

Higher Certificate in Military Studies - Program in Technology University of Stellenbosch

2006

- Computer Information Systems, Calculus, Linear Algebra, Physics and Aeronautical Science

ADDITIONAL INFORMATION

- **Languages:** English (Academic), Afrikaans (Native), and Japanese (Beginner)
- **Certifications:** Air Force Navigator Instructor, SAMTRAC, Life Coach, Personal Trainer, Driving License
- **Achievements:** Tshumelo Ikatelaho medal, 10 Years Service medal, Commendation for Exemplary Aircraft Accident Investigation, Commendation for Liaison of Foreign Dignitaries, Commendation for Exemplary Conduct of Duties Throughout The Year.