

# BARRY KEITH SALMON

## SOFTWARE DEVELOPER

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### SUMMARY

Retired Air Force Major with 16+ years' experience in aviation, training, and tech leadership. Now a dedicated software developer *skilled in Python, JavaScript, and full-stack development*. Holds degrees in Technology & Defense Management. Known for professionalism, strong ethics, and a passion for continuous learning.

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### TECHNICAL SKILLS

**Core** - Computer Science, Algorithms and Data Structures, Python Developer, PostgreSQL, Calculus, Linear Algebra, Physics, Statistics

**Complementary** - JavaScript/React Developer, Full Stack Web Developer, Database Administration, Regex, GIT with Bash, Github Action, API with Postman, Virtualisation with Virtual Box & Docker, PHP Developer

**Supplementary** - System Administration, Information Warfare & Systems Security, Electronic Warfare, Game Development with Unity & C#, WordPress Developer, UX/UI Designer with Figma, Managerial

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### 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.

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### 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

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### 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.