

BARRY KEITH SALMON

FULL STACK WEB DEVELOPER

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SUMMARY

Full-stack web developer with a strong focus on modern front-end and back-end technologies. Proficient in React, JavaScript, Node.js, Express, and PostgreSQL, with experience building responsive, accessible web applications. Skilled in Python, Django, PHP, and RESTful API integration. Combines a structured, analytical mindset from 16+ years in the military with a passion for clean code, UI/UX design, and scalable solutions.

TECHNICAL SKILLS

Backend Development - Express JS, EJS, Axios, Passport JS, React Router, React Helmet, Python, Django, and PHP (OOP, MVC, PDO).

Frontend Development - React, JavaScript, JQuery, Semantic HTML, CSS, SASS, Tailwind CSS, and Bootstrap.

Database - Database administration, PostgreSQL, PG Admin.

UX/UI Designer - Generalist, Design Systems, Figma, Canva, content creation traditional and AI.

Complementary - Accessibility(a11y), Restful API implementation with Postman, Responsive design, SEO Optimisation, Web Performance Optimisation, Regex formulation, and WordPress development.

Supplementary - Computer Science, Algorithms and Data Structures, Virtualisation with Virtual box and Docker, System Administration with Linux, Information Security Systems, GIT, GitHub Actions, managerial

PROFESSIONAL EXPERIENCE

Airforce Navigator Instructor (Retired Major) | South African Air Force **2005 - 2021**

- **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 **2013 - 2017**
University of Stellenbosch

- 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 **2006**
University of Stellenbosch

- 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.