



Francis Stoffberg

Graduate IT Solution Architect

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Personal Profile

A motivated IT solution architect at Airbus Aerostructures in the Digital Shopfloor team. Passionate about user- and client-focused design, delivering practical and sustainable solutions. Possesses a strong academic and extracurricular track record, with experience in multiple leadership positions.

Professional Experience

Airbus GmbH - Graduate IT Solution Architect

October 2023 - present

I joined Airbus in 2023 as an IT solution architect in the Airbus Global Graduate Programme (AGGP). My role involves collaborating with internal clients to translate business requirements into IT solutions and drive the commercial aircraft rampup whilst ensuring quality. Over the first two years, I will rotate through various departments, teams, and divisions to diversify my skills, collaborate, and learn best practices.

AutomaTech (Pty) Ltd - Internship

January 2021 - February 2021

During my internship at AutomaTech it is my responsibility to develop a Smart IoT sensor that will receive input from a wide range of sensors and transmit measurements via LoRa-WAN. Reporting directly to the CEO, the project also includes developing a mobile app for configuration and setup via Bluetooth and NFC.

Key Skills

Java	SQL	Network Architecture
C	Security by Design	Industrial IoT
Python	Cybersecurity	Agile Project Management
R	Digital Circuit Design	JIRA Demand Management

Languages

Afrikaans (Native)	English (Native)	German (Elementary)
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Education

University of Cape Town

MPhil specialising in Financial Technology

2022 - 2024. I am enrolled in the MPhil in Financial Technology at UCT, the first degree of its kind in Africa. This interdisciplinary program, based on the MSc in Data Science and convened by the Department of Statistics, includes three elective courses and a 60-credit dissertation managed by the Financial Innovation Hub.

University of Zurich

Deep Dive into Blockchain - International Summer School

July 2022. At the University of Zurich's Summer School: Deep Dive into Blockchain, I gained a comprehensive understanding of blockchain technology and its applications. I explored real-world use cases and engaged in hands-on projects to deepen my practical knowledge.

Stellenbosch University

BEng in Electrical and Electronic Engineering

2018 - 2021. I graduated from Stellenbosch University in December 2021 with a bachelor's degree in electrical and electronic engineering, specializing in informatics. My focus was on digital and analog electronic design, signal processing, computer science, and machine learning. I received the SU Merit Bursary in 2018 and a faculty award for academic performance in 2020.

DF Malan High School

National Senior Certificate

2013 - 2017. I matriculated from DF Malan High School with an 86.4% aggregate and 7 distinctions. I received academic colors for three consecutive years for maintaining an average above 80% and merit awards in EGD and IT for ranking in the top three of my class.

Machine Learning Methods

Generalized Linear Models	Feature Extraction	Deep Learning
Tree-Based Methods	Support Vector Machines	
Multivariate Methods	Neural Networks	

Honours and Awards

UCT Mathematics Competition - Gold

2016 - University of Cape Town

De Beers English Olympiad - Merit Award

2016 - South African Council for English Education (SACEE)

UCT Mathematics Competition - Merit Award

2015 - University of Cape Town

JSE Investment Challenge - 3rd Place (Equity Portfolio)

2014 - Johannesburg Stock Exchange

Extra-curricular Responsibilities

Stellenbosch University - Learning Assistant/Demi

August 2021 - November 2021

As demi/learning assistant for Electro-Techniques 143 my responsibilities include assisting students during weekly practicals and tutorials as well as the marking of practical reports for the module.

Centraal Pub - Barman

February 2021 - November 2021

Part-time barman at a local Stellenbosch pub.

MBAS - Tastings Coordinator

September 2020 - July 2021

As tastings coordinator of the Maties Beer Appreciation Society, it is my responsibility to arrange and coordinate most events at the society hub. I also play a key role in venue, brewery and society member liaison.

Majuba Mens Residence - Media Committee Chairman

October 2018 - September 2019

My role as media committee chairman put me in charge of managing the media committee team to ensure the highest quality of video and photos were captured throughout the year. I worked closely with marketing and served as the link between the two committees. I have also served on the marketing, sponsors, alumni, events and Vensters committees.