# Stephan Malan

A highly skilled software engineer with a passion for developing innovative solutions. I'm a fast learner and I'm excited to get an opportunity to grow my skills and explore new technologies.

**South Africa**
**+27 82 817 9117**
**1996/04/15**
**stephanmalan.rob@gmail.com**
**https://github.com/StephanMalan**

## EXPERIENCE

### VegaX, Seoul – Software Engineer

JUL 2022 - JAN 2023

VegaX Holdings is a cryptocurrency index platform providing actionable cryptocurrency indexes and index-based asset management products for traditional investors. I was hired as a back-end Python developer.

**Projects**:

**Strategy and trading bot:**
I was tasked with rewriting and improving the current code for the strategy and trading software. Lots focus on adding testing and improving the deployment infrastructure.

Technologies used:

- Django for ORM and web framework,
- MariaDB for the database,
- Docker Compose for infrastructure
- AWS for hosting

**Data crawler:**

I was tasked with rewriting the existing data crawler. The data crawler was responsible for collecting all the required data for numerous products within the company. As part of rewriting the data crawler, more functionality was also required. Strong emphasis was placed on reliability.

Technologies used:

- Django for ORM and web framework,
- MariaDB for the database,
- Docker Compose for infrastructure
- AWS for hosting

### ACI Worldwide, Cape Town – Software Engineer

MAR 2019 - APR 2022

ACI Worldwide Inc. is a payment systems company headquartered in Miami, Florida. ACI develops a broad line of software focused on facilitating real-time electronic payments. My team is focused on the back-office software used by our clients. The main technologies used are Java and MS SQLServer.

**Projects**:

**Office product:**

## SKILLS

Python
Django
FastAPI
Java
Spring Boot
Docker
SQL
Rust

## LANGUAGES

Afrikaans (Native)
English (Fluent)

As part of the Office team, most of my work was surrounding the Office product and its many extensions. During my time there, I added new features and reworked/improved existing functionality. As the product is very critical in nature, extra care was given to testing.

Technologies used:

- Java
- Spring boot as the web framework
- MS SQLserver for database
- JSF for web portal
- Python for custom build framework

**L3 Support:**

3 Month rotational L3 support for the Office products. Due to the critical nature of the products, quick investigation and fixes were imperative. Constant, clear communication with clients was also very important.

**DBAT website:**

In my own time, I rewrote the existing DBAT (nightly testing) results consolidation website. As the company was very focused on testing, I improved the visibility of failing tests and results. Other result statistics and charts were added for managers to keep an eye on the products. The webpage was then adopted company wide and I was tasked with maintaining the project.

Technologies used:

- Angular for the front-end
- Python Flask as the web framework
- MS SQLServer for the database

**Time logging tool:**

I was assigned the task of writing a tool to import time logging data from the company's existing tool to an Oracle time logging service. Due to user demand, it was decided to write a tool to communicate between the two tools. The tool was then adopted by the company and used weekly. The new tool increased time logging speed and reliability, thus it saved countless combined hours each week.

Technologies used:

- Java and JavaFX for the client
- Selenium for automated data insertion

**Other achievements:**

- Brought down SLA's from 24 to 8 days within my 3 month period of level 3 support.
- Mentoring university interns during their internship at ACI.
- Organizing Hackathon events for the office.
- Lead the team responsible for developing in-house tools.

**ACI Worldwide,** Cape Town - Associate Software Engineer

JUN 2018 - MAR 2019

I started as an associate software engineer for ACI Worldwide.

**Achievements:**

- Even though I was employed the shortest time compared to the other associate engineers, I quickly proved my skills and got promoted first within 9 months.

## EDUCATION

### CTI Education Group (Pearson group), Cape Town—BSc IT

2015 - 2017

Studied at the Cape Town branch of CTI University.

**Achievements:**

- In both my second and third year, our coding group project achieved remarkable success by securing the first-place within our class.