



# Werner Pretorius

## Software Engineer



North West, Brits



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[werner@wipps.tech](mailto:werner@wipps.tech)



[My LinkedIn Profile](#)

### LANGUAGES



English

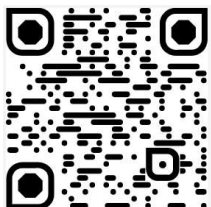


Afrikaans

### SKILLS OVERVIEW

Network Infrastructure	★ ★ ★
Software Development	★ ★ ★ ★
OS Administration	★ ★ ★ ★ ★
Project Management	★ ★ ★
Web Administration	★ ★ ★ ★
Db Administration	★ ★ ★
Data Analysis	★ ★ ★ ★
Behavior Profiling	★ ★ ★
Biometric Technology	★ ★ ★ ★
Social Media Platforms	★ ★ ★ ★
Network Communications	★ ★ ★
Web Communications	★ ★ ★ ★

### GO TO MY ONLINE



Visit my online CV from any device to see more about my experiences, success cases and much more.



### ABOUT ME

Coding is not just a skill or a career choice, when bolstered with passion it becomes a craft...always evolving and improving. This is not my job; it is my passion. I am not a developer, I am an artist, my paint is technology, and the digital spectrum is my canvas.

I am analytical in nature with an 'outside the box' mind-set. I don't believe there is something as an unsolvable problem. I ask: "how I can solve it?" rather than "can it be solved?". Dedicated and passionate about IT. Excellent problem-solving skills; Ability to think quickly and act fast.

we are all obligated to put back into society at least equal to what we take out of it, and I would like to leave this world knowing that I contributed in some way, in leaving it in a better state than it was when I came into it.



### EXECUTIVE SUMMARY

Skilled Solutions Architect/Software developer experienced in developing C# solutions to problems of all sizes. I have over a decade of practical development experience. Proficient in vb.net, C#.net, VC++ and C. Can develop in Java, Progress and PHP if necessary.

Skilled at integration with various biometric devices (ZkTeco, Crossmatch, Neurotechnology's) into custom and established time and attendance/access control systems.

Ability to comprehensively learn and understand company objectives and policy relating to IT infrastructure.

Skilled vb.net developer specializing in solution development and production automation, capable of working independently and as part of a team.

I am a skilled Software Tester due to having practical experience across the IT profession spectrum. I have written and updated Functional Test Documents, Updated Functional Requirement Specification documents and I have recently developed a software suite to replace the document driven testing environment with a database driven one. This reduces test result admin and gives an extensive overhead view of an applications' progress from start to finish. Should my employer be interested, changes can be made to the software to suit specific needs.

During the process of decoding the South African Driver License I became proficient in VC++, Android NDK and RSA Encryption

I believe the broad spectrum of practical experience spanning multiple disciplines within the IT industry gives me a unique edge in the industry due to the agility to move between the perspectives of system engineering, information security, software development and network administration, providing me with a depth of

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## WORK EXPERIENCE

### Development Languages

C#	★★★★★★
VB.Net	★★★★★
Asp.Net 360	★★★★
Android Java	★★★★
C++	★★★

### Database Technologies

MySql	★★★★
Postgress	★★★★★
Oracle 11g 360	★★★
Cosmos	★★★★
MS Sql	★★★★★
Progress	★★★

### Other Technologies

Rest API	★★★★★★
Signal R	★★★★★
Soap	★★★★
WCF	★★★★★
Telegram SDK	★★★★★
Dotnet Core	★★★★
OCR	★★★★★
Ftp	★★★★
Wi-Fi	★★★★★★

#### WIPPS (PTY) LTD, Brits, North West | 02/2022 – Present

##### Owner

Started my own development company developing software and providing software development services, primarily to other software development companies who either do not have the skills within the company or simply cannot afford to employ individuals with my skill set. I am also in the process of launching a few SaaS sites.

#### RapidDev, Durban. | 08/2021 - Present

##### Remote Developer

Once an ad hoc client, turned employer and friend. I provide support with the continuing development and improvement of RapidDev software and solutions primarily focused on web api development and android mobile application development within Xamarin.

Initially I was contracted to provide support focused on debugging and fixing a broken project that was handed over to him by one of his clients

#### FreeLancer - Online | 11/2017 – 07/2021

##### Freelance Software Engineer

##### Projects

- POC for NAPA. Contact person was not honest.
- SAMRAL Pre-Capture Driver License Scanning Software and Hardware Integration. Worked as an external specialist contracted by Magna Business Consulting
- TTTFP CTMS Operator App Deployment Solution. An Android Enterprise Deployment Solution developed for use by SADC and the Corridor Truck Association. Worked as an external specialist contracted by Fischer Consulting.
- TTTFP CTMS Officials App Lockdown Solution. An Android Enterprise Deployment Solution developed for use by SADC and the Corridor Truck Association. Worked as an external specialist contracted by Fischer Consulting.
- Design and Development Of Cryptographic Services for the Mobiax's Proprietary single sign-on system
- Design and Development of the Mobile Client Applications
- Administration of the cloud based back end, database and web servers (Centos and MS Server 2012).
- R and D work when required.

#### Alteram Solutions – Midrand, Gauteng | 03/2017 – 11/2017

##### Wifi Engineer/ Software Developer

##### Responsibilities

- Writing demo applications packaged with tenders the company submits for.
- Writing software that will be used in house.
- Reverse Engineer and improve software developed by companies that are no longer in business.
- R and D work when required.
- Writing SAP integration modules (Mostly done in ruby on rails)
- Integrating legacy biometric devices with software developed for modern operating systems.

**Reason for leaving:** Heavy roadworks started on the only financially viable route to work (I rented a house from my father in brits ). The traveling time to work would be anything from 4-5 hours depending on how late I leave the office in Midrand, and I was unable to secure affordable accommodation close by (my previous experience living in Midrand greatly influenced this decision).

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## ACADEMIC HISTORY

**INSTITUTE:** IT ACADEMY

**DATE STAMP:** 2017-2018

**DESCRIPTION:**

**Software Development Bundle (Includes Java, HTML5, C# Azure and C++)**

**INSTITUTE:** Progress South Africa

**DATE STAMP:** 2015

**DESCRIPTION:**

**Progress 4GL programming essentials**

**INSTITUTE:** IT ACADEMY

**DATE STAMP:** 2013

**DESCRIPTION:**

**Business skills development**

**INSTITUTE:** Damelin Brits

**DATE STAMP:** 2009

**DESCRIPTION:**

**N+ : Short Program in Network Technologies**

**INSTITUTE:** Guidance Software

**DATE STAMP:** 07/2008

**DESCRIPTION:**

**Encase Enterprise on-site Implementation and Training**

**Forensic Investigation tool**

**INSTITUTE:** Into Web

**DATE STAMP:** 04/2008

**DESCRIPTION:**

**Java Programming**

**Java Software development using Eclipse IDE**

**INSTITUTE:** Brits High School

**DATE STAMP:** 2004

**DESCRIPTION:** Grade 12 (Matric)

-Technical Drawing(High Grade),

-Natural Science(High Grade),

-Biology(High Grade),

-Math(High Grade),

-English Second Language(High Grade),

-Afrikaans First Language(High Grade),

-Carpentry/Wood Work(High Grade)



## WORK EXPERIENCE

**Ionizer – Johannesburg, Gauteng | 06/2016 – 02/2017**

### Systems Engineer

#### Responsibilities

- Managing of Client Infrastructure.
- Monitoring and reporting on site conditions.
- Installations at new sites.
- R and D work when required.
- Configuration and Installation of Ruckus Wireless Access Points
- Configuration and Administration of Ruckus Smart Zone Cloud Controllers
- Configuration and Administration of Ruckus Spot Location Servers
- Calibration of Ruckus Wireless Access Points for Triangulation of connected devices.

**Reason for leaving:** Retrenched, the start up company did not generate business fast enough and it was cheaper for the company to subcontract my function as and when needed.

**Magna BC, Lynnwood, Pretoria | 08/2015 – 02/2017**

### Progress 4GL Developer

#### Responsibilities

- Develop new systems for the company in Progress (OpenEdge)
- To update current applications to the new coding standards
- Development of new reports using SAP Crystal Reporting
- Development of bug fixes and change requests on the various solutions we developed.

#### Achievements

- I developed a tool to calibrate and map fields for pre-printed fan-fold paper. This was done when I was attending to a change request to update the dot matrix printers 'Skip settings when the forms were updated. The company have amended the skips settings manually for the past 8 years. This decreased the time spent on the calibration for 2-3 days of trial and error to a matter of minutes.

**Reason for leaving:** Better financial prospects and the possibility of career growth.

**Magna BC, Lynnwood, Pretoria | 08/2012 - 07/2015**

### Software Tester/Second Line Support Consultant

#### Responsibilities

- Testing of Software developed by MagnaBC
- Updating of Functional Test Documents
- Communicating bugs found in the system
- Attempting to find ways to improve the usability of the software tested.
- Reporting the project progress on a day-to-day basis to the Project Manager

#### Achievements

- Was one of the software testers that helped bring the DoD MMHRS PDA project to completion. This is a mobile application developed for the South African Department of Defense as an electronic aid for Medics deployed in the field.
- I am the Testing lead on the House Plates Application System developed for the Democratic Republic of the Congo. The testing of the software includes working with Geographical map data and High end biometric capture devices.
- During my employment at Magna BC, I have made numerous improvements in the way the Functional Test Documents are set up and the way bugs and shortcomings are handled and documented.

**Reason for leaving:** I moved to the progress development department in the same company for better financial prospects.

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### SOFT SKILLS

- Online Information Gathering/Research
- Social Media Marketing
- Social Media Data Collection
- Agile Management
- Scrum Management
- Solution Design and Architecture
- Goal and conversion tracking
- Hosting of intranet software

### ONLINE COURSES

- MIT Cryptography Level 1(Edex)
- MIT Cryptography Level 2(Edex)
- Project Management Fundamentals(Edex)
- Business Management Fundamentals(Edex)
- Adobe Graphics Design(Alison)
- Network Security Fundamentals(Coursera)
- Wordpress Website Hosting(Edex)
- Maui User Interface Design(Coursera)
- Blockchain Fundamentals(Alison)

### REFERENCES

- **Alteram Solutions:** Garth Medalla, 082 507 4874
- **S & G Solutions:** S.J. Pretorius, 082 855 1624
- **RapidDev:** 084 440 0793, Bruce Carter
- **Office National, Brits:** 012 252 0797, Franscois Hanekom



### WORK EXPERIENCE

#### Anderson Scanning Technologies, Midrand | 04/2011 – 03/2012 Solutions Developer

##### Responsibilities

- Development and improvement of the microfilm departments solution
- Development ,Load Testing and Implementation of new software developed
- Technical support for newly developed and implemented software solutions
- Development and technical support for our offices in Midrand and in Cape Town
- Overseeing the deliverables compilation and delivery to our clients
- Uploading (inserting documents and document information) the deliverables into our clients databases
- Resolving and or identifying issues during production, delivery and uploading of the deliverables
- Training my junior developer and infrastructure staff members with the aim of distributing tasks to them
- Distributing tasks to my junior developer

##### Achievements

- Increased the microfilm production by nearly 70 percent since I started working at AST
- Developed Automation Solutions that is currently keeping our production line automated
- Developed Monitoring Systems that Keeps track of all the relevant processes on all our document conversion servers
- Developed Logging systems generating production reports real time
- Replaced the XML Indexing App with one that increased the output speed by 70 percent
- Wrote a deliverables validation application that detects document errors and resolves them automatically, this increased the amount of clean data we deliver to our clients
- Wrote a Java Upload application that inserts the documents and relevant data into an oracle database
- Wrote Shell Scripts(Linux) to enable other staff members to write and restore the deliverables using an HP LTO3 Tape Library
- Wrote a Management System that controls the way our IRIS document servers do their conversions making them less error prone and more productive
- Implemented production changes that greatly eliminated the duplicate conversions of documents and reduced the amount of production line errors
- Implemented changes to the production process that made the production line faster and eliminated the server storage issues caused by the surplus of raw scanned data that stopped production on numerous occasions

Reason for leaving: Was victim of an armed house robbery at my accommodation in Glen Austen, Midrand. Could not afford better accommodation and did not feel safe living in the place I rented.



### Personal Information

Names	:	Pieter Werner
Last Name	:	Pretorius
Age	:	37
ID Number	:	Available On Request
Gender	:	Male
Marital Status	:	Divorced
Number Of Dependents:		2