

# GERT DIRK VAN DER WESTHUIZEN

IT Software Engineer

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## LINKS

*[GD van der Westhuizen.com](#), [GitHub](#), [Facebook](#)*

## PROFILE

My name is G.D. van der Westhuizen and I am a Software Engineer. My personality type is INTJ-A and I am passionate about all things technology. I classify myself as a life long student who is always eager to learn. I work well under pressure and can keep a laser-sharp focus during stressful situations. I like a challenge and I make it my mission to better every system or workspace. I aspire toward a career as a professional problem solver, I want to help you solve your business problems.

## EMPLOYMENT HISTORY

❖ **Logistic Manager, WarmZand** ..... Nov 2020 — Jan 2021

Keimoes, Northern Cape

I was a Manager overseeing all aspects of the packaging process. I was in charge of managing the packing process to optimize workflow to keep working hours to a low and efficiency high. I was also in charge of all logistics regarding stock and trucks coming in and exiting the factory.

❖ **Packing Material Manager, TRIPLE D FARMS** ..... Nov 2019 — Jan 2020

Kakamas, Northern Cape

Seasonal work over the months of November, December and January at an exporting packinghouse where I was a Material Manager. I mainly designed, printed and distributed labels and stickers for boxes and punnets among the workers.

## EDUCATION

❖ **North-West University** ..... Jan 2017 — Dec 2020

*B.Sc in Information Technology and Computer Science*

Pochefstroom, North-West

**Computer science** is the study of **computers** and **computing** concepts. It includes both hardware and software, as well as networking and the Internet. **Programming** concepts include functions, algorithms, and source code design. **Computer science** also covers compilers, operating systems, and software applications.

❖ **Duineveld High School** ..... Jan 2012 — Dec 2016

*Subjects: Information Technology, Electronic Engineering, Physical Science*

Upington, Northern Cape

I obtained my national senior certificate in 2016. My main subjects were Mathematics, Information Technology, Electrical Engineering, Physical Science, Afrikaans and English.

## SKILLS

Java ..... <i>Expert</i>	SQL ..... <i>Expert</i>
C# ..... <i>Expert</i>	Computer Networks ..... <i>Expert</i>
JavaScript ..... <i>Experienced</i>	GitHub ..... <i>Expert</i>
HTML5/CSS3 ..... <i>Expert</i>	AWS ..... <i>Experienced</i>
React ..... <i>Experienced</i>	Computer Hardware ..... <i>Expert</i>

## PROOF OF MODULES PASSED

Herewith it is certified that **GERT DIRK VAN DER WESTHUIZEN** during the year/years **2017, 2018, 2019, 2020**, is/was enrolled for the qualification programme **BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY**, method of delivery **FULL TIME** and passed the following modules:

Year	Module	Module Type	Mark	Result	
2017	AGLA 1 11 INTRODUCTION TO ACADEMIC LITER	Add module	74	Passed	
	AGLA 1 21 ACADEMIC LITERACY (AFRIKAANS)	Ancillary subj	68	Passed	
	BMAN 1 11 INTRODUCTION TO BUSINESS MANAG	Ancillary subj	72	Passed	
	ITRW 1 12 INTRODUCTION TO COMPUTERS AND	Core module	88	Distinction	
	ITRW 1 23 GRAPHIC INTERFACE PROGRAMMING	Core module	73	Passed	
	ITRW 1 24 PROGRAMMING I	Core module	86	Distinction	
	STTN 1 11 DESCRIPTIVE STATISTICS	Ancillary subj	70	Passed	
	STTN 1 21 INTRO STAT INFERENCE I	Ancillary subj	62	Passed	
	WISN 1 13 BASIC MATHEMATICAL TECHNIQUES	Ancillary subj	58	Passed	
	ACCS 1 11 FINANCIAL ACCOUNTANCY (SPECIAL)	Ancillary subj	68	Passed	
	ACCS 1 21 FINANCIAL ACCOUNTING (SPECIAL)	Ancillary subj	62	Passed	
	2018	ITRW 2 11 COMPUTER SCIENCE	Core module	73	Passed
		ITRW 2 12 COMPUTER SCIENCE	Core module	65	Passed
		ITRW 2 13 SYSTEMS ANALYSIS I	Core module	59	Passed
ITRW 2 25 SYSTEMS ANALYSIS AND DESIGN II		Core module	56	Passed	
WVNS 2 11 UNDERSTANDING THE NATURAL WORL		Ancillary subj	72	Passed	
WVNS 2 21 UNDERSTANDING THE NATURAL WORL		Ancillary subj	73	Passed	
BMAN 2 23 PROBLEM SOLVING FOR MANAGERS		Ancillary subj	70	Passed	
CMPG 2 21 DATA STRUCTRES AND ALGORITHMS		Core module	69	Passed	
CMPG 2 22 DATA ANALYTICS II		Core module	71	Passed	
ITRW 2 14 COMPUTER SCIENCE		Core module	74	Passed	
2019	ITRW 3 11 COMPUTER SCIENCE	Core module	64	Passed	
	ITRW 3 13 COMPUTER SCIENCE	Core module	63	Passed	
	ITRW 3 15 COMPUTER SCIENCE	Core module	62	Passed	
	ITRW 3 21 COMPUTER SCIENCE	Core module	52	Passed	
	ITRW 3 25 DECISION SUPPORT SYSTEMS II	Core module	64	Passed	
2020	MTHS 2 25 DISCRETE MATHEMATICS	Ancillary subj	65	Passed	
	CMPG 3 13 ARTIFICIAL INTELLIGENCE	Core module	83	Distinction	
	CMPG 3 15 COMPUTER NETWORKS	Core module	76	Distinction	
	CMPG 3 23 IT DEVELOPMENTS	Core module	88	Distinction	
	CMPG 3 24 OPERATING SYSTEMS	Core module	71	Passed	









REGISTRAR







## B.Sc. in Information Technology and Computer Science:

Programming Qualification:

### Back-End Development

 C#	(Back-End Development)
 Java	(Back-End Development)
 Python	(Artificial intelligence)
 MongoDB	(NoSQL Database)
 SQL	(Relational Database)
 AWS	(Cloud Provider)

### Front-End Development

 React	(JavaScript Library)
 JavaScript ES6	(Front-End Scripting Language)
 HTML5	(Hypertext Markup Language)
 CSS3	(Cascading Style Sheets)

Qualified in the Design, development and delivering of systems:

- C#, Java, Python or Node.js for back end development.
- SQL or MongoDB for database implementation in project development.
- React, HTML, CSS and JavaScript for front end development.

Decision support systems:

- Management support for business decision making.
- Artificial intelligence Implemented support systems.
- Qualified data Analyst.

Networks:

- Fully Qualified in the Design, Building and maintenance of all Networks

Operating Systems – Creation, Optimisation and maintenance of Software

Artificial intelligence & Expert systems for process Automation and Optimization

All Management orientated facets:

- Good Communication Skills
- High Problem Solving Ability
- Ability to Direct People
- Time Management Skills excellent



REPUBLIC OF SOUTH AFRICA

# National Senior Certificate

Awarded to

**GERT DIRK VAN DER WESTHUIZEN**

Identity number 9806165029084

Exam number 2160414020138

**Subject**

Afrikaans Home Language  
 English First Additional Language  
 Mathematics  
 Life Orientation  
 Electrical Technology  
 Information Technology  
 Physical Sciences  
 .....

%  
 61  
 70  
 62  
 62  
 70  
 62  
 42  
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**Achievement**

level  
 5  
 6  
 5  
 5  
 6  
 5  
 3  
 \*

This candidate is awarded the National Senior Certificate and has met the minimum requirements for admission to bachelor's degree, diploma or higher certificate study as gazetted for admission to higher education, subject to the admission requirements of the higher education institution concerned.

With effect from December 2016

*M. S. LAKOETSU*  
 Chief Executive Officer

This certificate is issued without alterations or erasure of any kind

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**UMALUSI**



Council for Quality Assurance in  
General and Further Education and Training  
South Africa

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(See reverse for more information)