

## Pieter John Nellmapius

Pieter Nellmapius is an experienced programmer who has been involved with projects such as recently developing a Skills Audit Capture tool together with a Server Diagnostic Application for the actual Skills Audit together with a SQL Server 2014 DB for the Audit. Pieter is proficient in Delphi 4, 5, 6, 7 & 10 and C# Forms development. Pieter has also been a consultant for Health Partners Southern Africa (Pty) Ltd since 2009 and has contributed significantly to the various programming components of the company and its projects.

**Date of Birth:** 15 May 1955  
**Nationality:** South African  
**Languages:** English, Afrikaans

### **AREAS OF EXPERTISE**

- Software Development
- Training and skills transfer

### **TERTIARY QUALIFICATIONS**

- Diploma in Cobol and Basic Programming, (1982), Globe National Computing, South Africa
- T2 Civil Engineering, (1976), Technical College, South Africa

### **PROFESSIONAL EXPERIENCE – EMPLOYMENT RECORD**

#### **Udemy – Online courses May 2020 – Sep 2020**

- Course: The Complete Python Course - by Jose Salvatierra
- Course: Django 3 – Full Stack Websites with Python Web Development - by Nick Walter

#### **Technical Programmer, Skills Audit for SA Department of Environmental Affairs, Jun 2019 – Dec 2019**

##### **Specific tasks**

- Supports the Project Director and Technical Lead: Skills Audit in SDNA customisation and support.
- Provide specialised SDNA inputs for the Competency Framework and Skills Matrixes.
- Develop, maintain and secure the SQL SDNA Database for Skills Audit.
- Develop and produce all Skills Audit aggregated and detailed raw data sheets for analysis and reporting.

#### **Technical Programmer, Estara Skills Development for Namibia Ministry of Finance, Aug 2018 – Nov 2018**

##### **Specific tasks**

- Supports the Project Director and Technical Lead: Skills Audit in SDNA customisation and support.
- Provide specialised SDNA inputs for the Competency Framework and Skills Matrixes.
- Develop, maintain and secure the SQL SDNA Database for Skills Audit.
- Develop and produce all Skills Audit aggregated and detailed raw data sheets for analysis and reporting.
- Support skills transfer of SDNA to MoF/NAMRA Task Team.

**Technical Programmer, Skills Audit for Swaziland Ministry of Health, Jan 2018 – Jun 2018**

**Specific tasks**

- Develop/customise of the SDNA tool within the Swaziland context.
- Provide software support to conduct the Skills Assessment sessions.
- Manage and secure import into SQL database of all 10 sites SDNA sessions.
- Assist other HPSA consultants with possible software related customisations.
- Provide analytical reports form the SQL database as required by the KEs.
- Assist with report writing on SDNA procedures and analytics.

**Technical Programmer, Skills Audit for Department of Social Development, Nov 2015 – Feb 2017**

- Develop a Skills Audit Capture tool to capture Current skills of 8000 Department of Social Development staff. The captured data is imported into a self-designed SQL Server 2014 Database using an application I developed to analyze and export the data into various reports and excel datasheets for further analysis.
- My responsibility included the following functions:
  - Support in the development of project activities across technical areas;
  - Information gathering;
  - Analysis and technical review;
  - Mentoring DSD officials;
  - Support skills transfer process,
  - Assist in design related to the competency framework and skills matrices,
  - Development and technical reporting processes,
  - Co-facilitate focus group and consultation sessions,
  - Support quality assurance in terms of all deliverablesSubmit reports as outlined in the Work plan and requested by the Project Technical Lead.

**Programmer, Worktech Limited (UK), United Kingdom, February 2015 – Feb 2017**

- Develop Services for a SQL 2008 DB that's connected to the website. Maintain a DLL for the Content Management Services CMS of the Giveall.org website.

**Technical Programmer, Health Partners Southern Africa, South Africa, 2015 - Present**

- Develop a Skills Audit Capture tool to capture Current skills of 8000 Department of Social Development staff. The captured data is imported into a self-designed SQL Server 2014 Database using an application I developed to analyze and export the data into various reports and excel datasheets for further analysis.
- All software is developed on Delphi 10. The Capture tool is developed using the Firemonkey FMX Framework to create the application on Apple OSX and Windows. I discontinued the FMX development for other Skills Audit Projects we have done as we only had windows users. Recently we ran our 4<sup>th</sup> Skills Analysis having successfully completed Swaziland Ministry of Health, Namibia Department of Finance and recently just completed Department of Environmental Affairs SA

**Technical Consultant, Health Partners International, South Africa, 2009 – Present**

- Develop statistical reports for a Student Information Management System using Microsoft Report Builder 3.
- Installation of Student Information System (SIMS) with Training in Nigeria for Women for Health (W4H). Intensive training.
- Strengthen HRIS at state and LGA levels to provide more accurate and timely data for planning and management. Capacity of HR managers at state and LGA levels built on both the paper and electronic based systems.
- HRIS Training and Implementation of the new systems.

- Continue training from June Assignment, introducing new reports and report schedules.
- Capacity building workshops (x2) on HRIS.
- Continue regular support on report design and customization for state officials in the utilization of HRIS and reporting on HR indicators.
- Continuation of training from July with additional reports requested by senior staff in the July workshop.
- Assess and correct Computer Hardware and Software requirements for HRAdmin system. Install Software and train staff from 4 states in 2 sessions of 1 week each. Training included basic 1st principles of running an HR system to advanced training of Regional Consultants to implement the systems in each state. Basic reporting skills and explanations of the strategy behind it was taught.

**Mobile Application Developer, Self with “go! App”, South Africa, 2013-2015**

- Develop various Android applications for different clients.

**Contractor, Paracon (Department of Agriculture), South Africa, 2007 – 2009**

- Take over the development of an existing project that is a rewrite of an existing program, adding features and modernizing it.
- The Project is a Farmers budgeting program that has a Firefox DB on the local machine and an Oracle store on the server at Elsenburg (Department of Agriculture). Using SOAP technology the program connects via a web connection and data is then synchronized between the 2 computers. It has a hierarchical system where budgets are checked by supervisors and approved/graded. Emails are automatically sent informing Supervisors/Farmers that data/budgets are ready for download etc. Rave reports is used as the reporting tool.

**Contractor, Prestege Retief Dresner Wijnberg (PRDW), South Africa, 2006 – July 2007**

- PRDW is a Marine Engineering company.
- I had a 2.5 month Contract where I had to analyse debug and restructure an existing Project Management system.
- New features and Specifications were resolved with the client, with all coding, database changes and implementation administered by me.
- Microsoft SQL Server was used with about 140 Tables.

**Contractor, Media 24, South Africa, October 2006 – February 2007**

- Using IDEAL DATACOM (mainframe) I was in a team of 3 programmers developing a collective publication delivery system. From high level Specifications we analyzed and wrote the programs needed. We adhered to strict SOX rules.

**Contractor, Brummer Adhesives, South Africa, July 2006 – 2008**

- Designed and developed a call center for the company
- Customers Imported from IMPACT into an ACCESS database. Calls are logged and all customer information (Categories) are selected from Lookup tables. New Leads are entered and monitored.
- Follow up dates are checked and reports of customers to be followed up on a daily basis.
- Users logged in as Administrator, Reps and Credit Controllers with different access rights and operation methods. I worked directly with the client resolving all specifications, coding and implementation.

**Contractor, PRDW, South Africa, 2006 – April 2006**

- PRDW is a Marine Engineering company.
- Continued to develop more features as requested by management.

**Senior Programmer, Jas Forwarding (PTY) Ltd, South Africa, 2002 – 2005**

- I started working for Jas Forwarding in July 2003 as a senior programmer. For the first year I converted Clipper 4 for windows into Delphi 6 and have since added many features to the system. I rewrote the data transfer which exports all data from one server and imports it into another where our head office does the final accounting for the company. This happens from Cape Town, Port Elizabeth and Durban with the head office in Johannesburg. I also wrote the export for the corporate head quarters in Malan. They use a different application on a vax so the data is transferred in fixed text formats.
- The freight System is a comprehensive freighting system with full accounting within. The system used to be called paperless with everything automated. All reports can be printed to the screen, printer or emailed in PDF format automatically within the program.
- I wrote a warehouse application for the different warehouses around the country. All the invoicing is plugged into the freight system's accounting

**Programmer, InfoDeck Solutions, South Africa, 1999 – 2002**

- I started employment with InfoDeck in February 1999 as a programmer. Infodeck is a software house developing mainly Delphi database applications. Databases include the following: Oracle, Paradox, Interbase, MS Sequel Server and MS Access databases. I also used MS Access vba and VB 6.0

**Owner, WCSS Computers cc, South Africa, 1995 – 1999**

- I wrote 3<sup>rd</sup> party applications for MicroGDS which is a Cadd system from the UK
- These applications were advertised on the web and could be downloaded for evaluation purpose. They were all written in VB5 and are Architectural Applications/Tools

**Programmer, Ninham Shand Inc, South Africa, 1983 – 1995**

- I developed many CADD applications to speed up drafting operations. I also developed many Civil Engineering design tools to assist engineers. These tools were sometimes incorporated into the CADD system. I eventually became the CADD manager for the company looking after the system at all branches across SA.

**Piping Planner, Amardah Shipyards, South Africa, 1980 – 1982**

- I worked as a Piping planner in a project where the company built an oil rig from beginning to end.
- My duties were to laisse with the engineers and design draughtsman ordering all the piping and fittings and then monitoring the production of all the piping from normal plumbing to the High pressure pipes that are used for drilling. Once the construction of a pipe system was completed I commissioned the system and granting test certificates when the system passed all relevant pressure tests.

**Various Artisan, SASOL, South Africa, 1978 – 1980**

- I worked as a Pipe fitter and also as a boilermaker on the construction site when the Coal to oil refineries in SASOL were built.

**Surveyor, Cape Town Municipality, South Africa, 1977 – 1978**

- I worked as a Surveyor when Mitchel's plain in Cape Town was being built. My duties were to check existing storm water piping levels that had been built.

**Student Practical, LTA Construction, South Africa, 1976 – 1977**

- I worked on a Road and Rail Bridge project in Windhoek as a student

**Student Practical, MLS Consortium, South Africa, 1974 - 1975**

- I worked in Namibia as a Quantity surveyor as part of my practical work for my Civil Engineering diploma.

**COMPUTER EXPERIENCE AND GRADING**

<b>Subject</b>	<b>Experience</b>	<b>Grading</b>	<b>Notes</b>
DBase IV	2.5 Years	Good	Jas Forwarding
Delphi 4,5,6,7,10	20.0 Years	Expert	Main Development Tool
Oracle 8i	2.5 Years	Good	Develop System
Oracle PL/SQL	1.0 Year	Reasonable	Stored Procedures/Triggers
MS SQL Server 2000-14	5 Years	Good	
Microsoft Report Builder 3	2 Year	Good	
MS Access	3.0 Years	Good	Used Access DB in Delphi projects
Paradox	1.5 Years	Good	Use in a Delphi project
Firefox	1.0 Year	Good	Use in a Delphi project
Visual Basic 6	3.0 Years	Reasonable	No Database development
Crystal Reports 8	6.0 Months	Reasonable	Self-taught
HTML	1.5 Years	Reasonable	Built own web site
JavaScript	1.0 Year	Reasonable	Built own web site
C+	21 days book	Working knowledge	
Fortran 4, 77	8 Years	Good	PR1MOS Operating System
Clipper 4	2 Years	Reasonable	
Cobol	6 Months	Working knowledge	
Ideal Datacom	6 months	Good	
Windows Help	2 Years	Reasonable	Windows Help Workshop and Forehelp
Microsoft Office 2007	14 years	Good	General use with all the applications
Word Perfect Office 2000	8 Years	Good	WordPerfect and Quattro Pro
OpenOffice	2 Years	Reasonable	Mainly used Writer and Spreadsheet
<b>Mobile Device</b>			
Android Eclipse Java	8 Months	Good	Self-Training and own Apps
IOS 5.0 Objective C	3 Months	Reasonable	Short Project - Trained onsite
Visual Studio 2017 – C#	2 years	Good	Self-Trained while developing a Project Budgeting Forms Application
<b>Other</b>			
Python	5 months	reasonable	Did Udemy course “The Complete Python Course” by Jose Salvatierra
Python Django	3 months	reasonable	Did Udemy course “Django 3 – Full Stack Websites with Python Web Development” by Nick Walter