

Gender: Male
 Dob: 1976
 Location: Johannesburg

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CAREER FOCUS The research, development and creation of new and novel IT-based solutions. The design and architecting of solutions in response to business needs.

EDUCATION

- *Master of Science*, Software Engineering, University of Hertfordshire,
- *Bachelor of Science*, Software Engineering Stream, UNISA, dual majors in *Computer Science* and *Information Systems* (distinction in *Information Systems*).
- *RICS completion*, Research and Innovation Core Skills training, CSIR, completed in 2009

EXPERIENCE

Detnet SA Senior Developer within the *Software Development* business unit. Develop real-time software and device drivers. *Dec 2014 — Current*

MTN Senior Engineer, Researcher within the *Technology Innovation* unit. Employed a number of different methods in the implementation of directed research. Presented numerous technical workshops with the aim of knowledge dissemination within MTN. *Nov 2012 — Oct 2014*

CSIR, Meraka Institute Researcher, writer, developer, also served in an advisory capacity. *Jan 2007 — Oct 2012*

Altech Card Solutions Senior embedded developer, smartcard terminals. *Sep 2002 — Dec 2006*

Prism Payments Embedded developer, smartcard terminals. *Jul 2001 — Aug 2002*

Globepost Technologies Enterprise Solaris *C* developer. *Apr 2001 - Jun 2001*

LANmetrix Web and Systems Developer, network management software. *Jul 1998 — Mar 2001*

UNP Student laboratory consultant. *Jan 1998 — Jul 1998*

INDUSTRY

- Served for four years on the board of an *SABS* technical sub-committee (SC71L).
- Participated in a technical industry team (including Deloitte, Multichoice and various state departments) as part of the States *ICT Industry Initiative for Job Creation*.
- Participated in an independent policy research organisation (the *Free Market Foundation*).

LANGUAGES I'm competent in all of the following languages (listed in order of proficiency, highest to lowest): *C, Bash, L^AT_EX, C++, SQL, Java, Javascript, PHP, Lisp, Python, x86 Assembler*. I've developed software professionally since 1998.

OTHER

ICT I'm familiar with most aspects of ICT, including server maintenance, encryption and security, software architecture and mixed-signal microcontroller application.

Achievements Directed and oversaw successful implementation of project *Vula* within Meraka; applied for and received R1.5m in funding during 2009 for project *UbuntuSci*, ran the project successfully from that point.

Mentoring I've published (in printed publications at the CSIR) tutorials, introductory texts, etc. I regularly do presentations with a variety of technical and academic content.

REFERENCES

- Thomas Fogwill, Former Supervisor *Meraka*
- Mixo Shiburi, Former Colleague *Medikredit*
- Steyn Maritz, Former Colleague *Altech Card Solutions*