

Gender: Male
 Age: 35
 Location: Midrand

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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 market needs.

EDUCATION

- *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

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

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

- Serve on the board of an *SABS* technical sub-committee (SC71L). *Current*
- Participate in a technical industry team (including Deloittes, Multichoice and various state departments) that is part of the States *ICT Industry Initiative for Job Creation*. *Current*
- Participate in an independent policy research organisation (the *Free Market Foundation*). *Current*

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

OTHER

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, and am in the process of finalising a course on statistics for next year.

Thesis I'm in the process of proposing a thesis for an Erlang-based, distributed, fault-tolerant, 100% uptime grid computer built out of commodity hardware.

Misc I have many interests, and these sometimes result in a product or blog post or potential research. For example, I've written a web-based training game for blackjack, have an Android application for sale on various Android markets, maintain a fairly popular blog and contribute regularly to the academic forums at UNISA.

REFERENCES

- Mixo Shiburi, Former Colleague *Medikredit*
- Steyn Maritz, Former Colleague *Altech Card Solutions*