

Objective To produce stable systems that Just Work.

- Work Experience**
- Intec** Senior Java Developer
Cape Town, South Africa 2008.05 – present
- Development and maintenance of wholesale billing solution for telecommunications operators and service providers.
- SKA South Africa/Karoo Array Telescope** Senior Developer
Cape Town, South Africa 2008.01 – 2008.03
- Gathering system requirements for the Karoo Array Telescope and computing subsystem.
- Postilion International** Developer
Cape Town, South Africa 2007.10 – 2007.12
- New feature development on, and maintenance of, core transaction engine and Postilion SDK.
- Postilion International** Project Lead
Pune, India 2007.05 – 2007.09
- Managed contractors assigned to migration projects to ensure timely delivery of quality products.
 - Supported developers that were new to a GNU/Linux environment.
 - Assisted with the recruitment of developers for the Postilion development team.
 - Developed an XML message format for the Postilion SDK.
 - Developed a specification for, and implemented, a bridge as a short-term solution for integrating a Postilion system into an environment where interfaces built by Postilion's parent company already exist.
- Postilion International** Developer – Tools
Cape Town, South Africa 2005.09 – 2007.04
- Developed a testing framework for (EFT) messaging systems that includes a domain-specific scripting language and abstract database interface.
 - Installed and maintained a Simple Machines forum for product discussion.
 - Modified a Python component to run Java applications as true daemon processes in GNU/Linux.
 - Supported testers that were new to a GNU/Linux environment and provided ad-hoc training on core features (networking, daemon management, file systems).
- Mosaic Software** Developer – Core
Cape Town, South Africa 2003.01 – 2005.08
- Served as 2nd- and 3rd-level support manager; prioritized issues, ensured rapid turnaround on fixes and provided workarounds where immediate action was required.
 - New feature development on, and maintenance of, core transaction switching engine and SDK.
- Mosaic Software** Developer – Interfaces
Cape Town, South Africa 2001.08 – 2002.12
- Developed proof-of-concept for a client-server mobile application that is driven by text messaging.

- Integrated a Postilion application into a client's native Windows (C++) application by exposing it as a COM object.
- Trained client developers in the use of the Postilion SDK.
- Mentored junior developers.

Mosaic Software Project Manager
Fort Lauderdale, FL, USA 2001.02 – 2001.07

- Managed the rollout of a Postilion system to a Texas-based bank that included custom development by a junior developer, installation and configuration, and certification with a regional financial network.

Mosaic Software Developer – Interfaces
Cape Town, South Africa 2000.05 – 2001.01

- Prototyped, with another developer, a system that is now the core of the Postilion retail offering.
- Standardized GNU/Linux testing of Postilion cross-platform merchant API.
- New feature development on, and maintenance of, existing products.

Mindspring Computing Developer/Administrator
Cape Town, South Africa 1997, 1998

- Responsible for configuration and maintenance of GNU/Linux file, mail and DNS servers.
- Installed and configured Linux systems for clients.
- Maintained home GNU/Linux mail- (uucp) and file server.
- Bespoke database development.

Skills

Languages

- Proficient in Java and Python
- Familiar with C/C++, Perl and shell-scripting

Environments

- Experience with Win32, Cygwin, and Unix

Applications

- Experience with Microsoft SQL Server, Vim and Perforce
- Familiar with Emacs and Subversion

Education

University of Cape Town 1995 – 1999
Bachelor of Science (Hons) in Computer Science and Economics with Distinction

Informal Experience

GNU/Linux

I am an enthusiastic GNU/Linux hobbyist and over a period of years I have worked with a number of distributions (with Gentoo Linux my current favourite) to build servers that provide:

- file-serving and domain-controller services to Windows clients (using SAMBA)
- name resolution
- DHCP services
- an Internet gateway
- mail spooling