

Peter Newman

Objective	I am a highly flexible server administrator and software engineer seeking an exciting role in information technology development. I am highly experienced in rapid development of concepts and prototype systems in a limited time frame.
Experience	<p>August 2009-Current: Digital Space Corporation, Support Contract</p> <p>Digital Space Corporation is an international corporation focusing on the practical applications of virtual worlds for industrial design, engineering, education and public outreach. More can be seen at http://www.digitalspace.com/ .</p> <p>Consolidated multiple physical machines to hosting as a VPS, including investigating and selecting the VPS provider. Provide continuing maintenance and upgrades for these services.</p> <ul style="list-style-type: none">• VMWare Parallels Container• Debian Linux• ISC BIND DNS Server, Apache 2, MySQL 5, PHP 4• QMail, Courier, SpamAssassin, MailMan and ClamAV• Nagios <p>2008 April-May: Strategic Data, System Administration</p> <p>Strategic Data provides services in all phases of the data collection, capture, processing, management and analysis process. More can be seen at http://www.strategicdata.com.au/ .</p> <p>Planned and implemented the upgrade of 8 servers from Debian Sarge to Debian Etch. All machines were upgraded without downtime to the organisation and their clients dependant on them. This included documented planning, testing on alternate hardware, and preparation for failure mitigation.</p> <ul style="list-style-type: none">• Debian Sarge and Etch• Apache, MySQL 4 and 5• Mondo Archive and Restore• Shorewall, Amanda, SSH <p>2006-August 2009: Digital Space Corporation, Support Contract</p> <p>Provided remote server administration of various purpose machines, including Windows 2000 Server, Windows 2003 Server, FreeBSD and Debian Linux. This included administration of Apache web servers, MySQL databases and several mail servers.</p> <ul style="list-style-type: none">• Windows 2000 Server, Windows 2003 Server• FreeBSD, Debian Linux• Apache 2, MySQL4• MDAemon Mail Server, Exim 4• PPTP Virtual Network• SonicWall Firewall• Terminal Services, VNC• ISC BIND DNS Server <p>2005-2008: DM3D Studios, Lead Programmer</p> <p>Spear-headed, designed and implemented the Digital Spaces real-time simulation engine, with a client-drive, rapid prototyping and development methodology.</p>

	<p>I also continued with much of the role of Programmer (see below), as well as being responsible for managing others working in the role of Programmer</p> <ul style="list-style-type: none"> • C / C++ - Visual C++, STL • Assessment and integration of external libraries • Python • Real-Time physics-based 3D simulation • PHP 4, MySQL 4, Apache 2 • HTML, CSS, Javascript • Wildfire XMPP Server • Joomla CMS, Mambo CMS, Damper (Internally developed PHP/MySQL CMS) <p>My responsibilities included configuration of hosting services purchased by customers where we were deploying web presence applications.</p> <p>2002-2005: DM3D Studios, Programmer</p> <p>Performed a wide range of technology related functions, with a primary focus on simulation development, technology assessment, and web application development.</p> <p>Acted as the primary I.T. support for the office computer systems and network.</p> <p>2001: East Gippsland Institute of TAFE</p> <p>Acted as teaching assistant and technical support for a computer lab of approximately 20 machines, varying between Windows 95, Windows 98, and Windows NT 4.</p> <p>2000: East Gippsland Institute of TAFE - Heyfield Outreach Centre</p> <p>Maintained and upgraded the publicly available computers and network, as well as advised the Centre operators on technology upgrades. Implemented a framework used on their web-site, to permit local businesses to have an online presence for a minimal cost.</p>
Education	<p>2000: East Gippsland Institute of TAFE</p> <p>Certificate IV in Information Technology - Programming</p> <p>1998: McKillop Catholic Regional College</p> <p>Completed Victorian Certificate of Education</p>
Referees	<p>Bruce Damer: Digital Space Corporation</p> <p>Email: bdamer@digitalspace.com Phone: +18313389400 Address: Santa Cruz, California, United States of America</p>
Interests	<p>Software design and development, artificial life simulation, genetic algorithm development, Linux server administration, and computer games.</p> <p>I also have a high degree of interest in keeping my skills current and am developing my own skills beyond my work experience. Current skill-sets I am investing in include:</p> <ul style="list-style-type: none"> • Virtual Networks • Virtual Machines - VMWare, Xen, Bochs
Other	<p>The Digital Spaces real-time simulation engine has been released as an Open Source project (LGPL) and can be seen at http://www.digitalspaces.net/ .</p>