# **Desmond Penny**

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# Nationality: Irish (Australian Citizen)

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| Education: | 2002–2007 NUI, Maynooth, Kildare, Ireland  BSc Computer Science and Software Engineering  1996–2002 Hartstown Community School, Dublin, Ireland  Leaving Certificate 2002 |
| Additional Training: | AWS Certified DevOps Professional  AWS Certified in SysOps  Cisco Certified Network Associate (CCNA)  Certified Extreme Networks Associate (ENA)  CCNP course at ITIC.  Linux administration course at UTS.  Python Dev course at www.thinkful.com  Github: https://github.com/DesPenny |
| Profile: | I have been working in I.T since 2004. During my time, I’ve worked in various areas mainly support, systems/network administration and DevOps. I’ve dealt with people from all backgrounds, be they directors, clients or vendor representatives and I pride myself on customer service. I believe rapport and people skills are just as important as technical capabilities. In saying that, I strive to better myself and remain up to date with technologies.  https://www.linkedin.com/in/despenny/ |
| Career History: | Mar ’17 – Present **Ematic Solutions**  Snr DevOps Engineer  I’m currently migrating and rearchitecting systems from Linode to AWS. We utilise Docker heavily and have about 90% of the applications dockerized. As part of the migration I’m currently writing the Infrastructure as code using terraform and ansible. I assist developers, testers and machine learning specialists from all over the world and the codebase includes java, php, node, angular and some python.  June ’16 – Oct ‘16 **Arria NLG**  DevOps Engineer  My role at Arria was to build the infrastructure from scratch for two SaaS products for beta launch that utilised their NLG technologies. Being the sole DevOps person I had to not only work closely with the developers but also make the decisions on how to design the applications to make sure they are highly available and scalable and yet cost efficient.  Oct ’15 – June ‘16 **AussieBum**  Systems Administrator  A much smaller infrastructure here but started to incorporate best practices from the ground up. Delving further into more of DevOps, I’ve created the AussieBum UAT environments in AWS and built the deployment pipelines using bamboo cloud incorporating unit and acceptance tests.  April ’13 – Oct ‘15 **RedBalloon**  Systems Administrator  One of my roles here was to keep the infrastructure as cost efficient as possible. This involved an overhaul of the on premises network equipment. Also looking after the forever evolving AWS infrastructure and utilising new technologies like Docker and ECS to further reduce costs. There wasn’t really a typical day but other responsibilities include tasks such as renewing ssl certs, adding regex’s into varnish, assisting the development team or sorting any nagios alerts regardless of the time they may wake me and basically assuring the site and apps are up. I’d be more than happy to go into further detail during the interview process.  July ’13 – April ‘14 **Penny Solutions**  Owner and Consultant  I provided infrastructure support to small and medium enterprises.  July ’12 – July ‘13 Tango Technology  Senior Network Engineer  This is a varied role ranging from support to project implementation and training of systems to our clients. Though I work across many technologies in order to meet our customer requirements, my main areas are focused on VoIP and Backup Solutions.  April ’12 – May ’12 ***Sinclair Knight Merz (Secondment for 5 weeks)***    Network Administrator  This role involved proving 3rd level support within Unified Communications for the network infrastructure (cisco/extreme) and working with vendors for any outages, upgrades and projects.  Jan ’09 – Jul ‘12 ***Sinclair Knight Merz* (Permanent)**  Jul ’08 – Jan ‘09 ***Sinclair Knight Merz* (Contractor)**    IT Support Analyst  Responsible for:   * Responding to calls in ticketing system. * Providing 2nd level support for Staff. * Configuring and installing PC equipment, software and printers as required. * Working with Assets register to update equipment audit. * Responsible for the Sydney Server room. * Installation of various engineering Applications. * Assist with desk phones and mobiles including blackberry. * Provide support to company site offices around NSW and Canberra. * Backing up and restoring company data. * Liaising with other IT teams for various projects and external companies. * Participating in IS group project work as they arise such as the introduction of IPTel in our Sydney office.   Dec ’07- May ‘08 ***www.MyHome.ie*** Dublin  Network Administrator  Responsible for:   * Inventory of hardware, software and licenses. * Backups using Veritas. * Assist in finding and logging bugs on the web site. * Firewall configuration. * Anti-virus and patch management using WSUS. * Nortel telephone system. * General maintenance and monitoring of the internal network.   2004-2007 ***Arnotts ltd.*** Dublin  Feb ‘07 – Dec ‘07 Systems/Network Administrator  Responsible for:   * Maintain, monitor & troubleshoot WAN/ISDN links for regional offices. * Maintain, monitor & troubleshoot internal company IT services (LANs & VLANs). * Maintaining and setting up new users on the Blackberry server. * Setting up new tokens for the RSA Server. * Backup Infrastructure Operations. * Network System Availability and Support * Day-to-Day Administration. * Delegating Operational Tasks. * Inducting and coaching new team members. * Monitor and troubleshooting various network devices. * Making recommendations for improving and expanding the infrastructure.   Projects:   * Migrating parts of the network to a different location. * Introduced Linux machines into the company. * Backup upgrades – Away from tapes to Tivoli. * Set up Nagios to alert and monitor the network. * Set up Scarab which is a web based call logging application. * Arranging VPN connections for any promotions/expos offsite. * Sole responsibility in setting up and monitoring the ISA Servers. * Various security projects to assist the company becoming PCI compliant.   2004 – 2007 – Desktop Support Engineer  Responsible for:   * Backups – Arcserve & NTbackup. * Imaging servers. * Operational Support. * New User Set-ups on Active Directory and Exchange. * Maintenance Weekends. * 1st & 2nd level support & troubleshooting for Hardware and software including Windows, Microsoft Office, Antivirus, Remote access (RSA Tokens), desktops, laptops, modems, and printers. * Call management and escalations. * Customer management. |
| Leisure Activities: | I enjoy surfing and krav maga. I also develop Python/Flask apps in my spare time. |
| Referees: | References are available on request. |

**Skills Summary**

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| **Backup Software**  Tivoli  Arcserve.  NT Backup.  Veritas  HP Storage Data Protector Manager  StorageCraft, Symantec | **Backup Hardware**  Compaq ESL9198 DLX Tape Library with 6 Tape Drives.  DAT, 15/30 & 35/70GB standalone Tape Drives.  Dell 1100T  Dell ML6000 |
| **Server OS**  Windows NT, 2000, 2003, 2008, 2012  Windows small business server 2000/2003.  Linux CentOS, Redhat and Suse.  AIX  Solaris 9.1  Sco Unix  Active Directory.  Exchange 2007, 2010, 2013  Terminal Services. | **Server Hardware**  IBM Bladecentre  Dell Poweredge 1850,1950,2850,2950  Dell Power Vault MD1000  HP DL 380 (G1 to G3).  HP DL 385.  HP DL 580 (G1 & G2).  HP ML 310, 330, 350, 530  Sun Sparc |
| **Network**  Cisco 3750 Switches.  1600, 1800, 2600 Series Routers.  Cisco VPN Client  Extreme switches  **Firewall**  Sonicwall tz170  Cisco ASA | **Other**  AWS  MongoDB/MySql/Postgres  Terraform  Ansible  Centurion  Docker  Varnish  Git  Cacti  New Relic  Slack  Jenkins  Digium Switchvox/Asterisk  Nagios Administration.  Scarab  Spiceworks  VMware  WSUS  Symantec Anti-Virus.  Snort  Solarwinds  Zabbix  Financial applications such as Bloomberg and Iress  Blackberry Enterprise Server.  Mailforexchange application  DNS, DHCP, WINS & TCP/IP.  MS Office 2003->365 |