Adam Leigh William Charlton

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Qualifications and Courses

Bachelor of Information Technology
Otago Polytechnic (2011 - 2014)
Grade A - average across all papers studied

Programming Languages - HTML, XML, PHP, JavaScript, .Dot Net, C++, C#, C, Java, Android, Python, PowerShell, Batch and Bash scripting

3rd Year Project - remotehome.biz cloud solar power monitoring and control service

C# - Power Options program to manipulate the windows power schemes

C - Arduino to Arduino RS232 protocol

Java - A graphical GUI that displays temp & light values from XML / CSV files

Scripts - Create and delete users, adding a list of users to active directory

System Administration - Cisco CCNA Level 1, configuring servers to communicate using software, Bacula, Puppet, Confluence

Operating Systems - Experience on all Windows, Mac OSX and Linux: Debian / Fedora / Ubuntu

Databases - Knowledge of MySQL databases, Queries, views, procedures and functions

Telecommunication Industry
Telecom (2003 - 2011)
Level 3 - Telecommunications (ESITO)

Provisioning - Installation of services in residential and business environments

Restoration - Faults complete range for business and residential customers

Services - Data, ISDN, Pots, Centrex, ADSL, VDSL, Fibre

Telecommunication Industry Certifications

Panduit Structured Cabling - Copper and Fibre

National Certificate in Telecommunications

CITT Introduction to Telecommunications

NZQA units (Prior 2003)

Business Administration (Level 3)
Communication Skills (Level 3)
Computing (Level 3, Hardware and Software)
Electrical Engineering (Level 3)
Electronics (Level 3)
Electronics Technology (Level 2)
Service Sector Skills (Level 3)
Management (Level 4)

Current Projects

2019,   Various Open Source Projects

IT Technician / Software Engineer
- AAIS - Arch Linux Automated Installation Script
- Morepork Linux - Arch Linux with AAIS and custom desktop environment
- Blender 2.7 Game Engine bug fixing

Employment history

2014 – 2019,   Morepork Software Startup

Founder / Software Engineer
- Created a cross platform, C++, Python - OpenGL 4.6 3D Game Engine
- 3D Technologies: OpenGL 4.6, Shader Pipeline, Forward Rendering, Deferred Rendering
- Integrated C++ Libraries into Python (2.7 & 3.7) and running Python scripts in C++
- Built / Maintained Linux Servers & Desktops (Ubuntu / Fedora / Arch)

2011 – 2014,   Contactor General Electric

Medical Imaging Technician
- Installation of new X-Ray room Urgent Doctors
- Removal and reinstallation of damaged X-Ray rooms at Southern Cross Hospital
- Upgrade of two X-Ray rooms at Mercy Hospital

2008 – 2011,   Transfield Services Ltd

Provisioning / Restoration Technician
- Major Projects: Snap Data Centre Installation, Telecom Fibre to the Home, VDSL
- Installation of all DATA/ADSL, ISDN, Centrex and POTS circuits for Businesses and Residential properties
- Restoration and fault finding on all connections between the business/home and exchange

2003 – 2008,   Systemtech Communications

Provisioning Technician
- Setting up broadband and wireless modems for residential homes
- Complete cabling requirements. (Category 5+6 cabling)
- Navigating user interfaces to diagnose internet connections issues
- Provisioning and Fault finding on connections between the home and exchange
- Liaising with customers, including representing the company in a calm and professional way to disgruntled customers
- Managing a sole charge rural territory
- Organising service orders daily to plan the day/route efficiently
- Completing paperwork dockets for accurate billing and service completion
- Christchurch International Airport CAT6 fit out

References

Available upon request