ANDRE BASSON │ Linux Systems Engineer @ SkyQode Ltd
Condensed Breakdown

The following is a condensed breakdown of the IT services performed, as well as systems & technologies leveraged and managed while working at SkyQode Ltd as a Linux Systems Engineer

LINUX SYSTEMS ENGINEER / IT PROJECT MANAGER (part time)

Dycom Ltd | 06/2017 – 12/2019

Contractor to small upstart. Primary role of Linux System Administrator. In charge of all IT management from planning, sourcing, deployment, support and more.

- Infrastructure: Setup and support of Desktop Computers & Network Infrastructure [router, switches, cabling, printers, VoIP phones, etc.]
- Server Administration: Setup, deploy & manage of High Availability File Server Cluster [2 nodes on physical machines w/ Linux Server, Pacemaker, Corosync, DRBD, Samba Server]
- Administration: Assigning access rights, group policies, permissions, etc.
- Automation, Backup Systems: Developed fully configurable Automated Incremental Data Backup System (written in BASH, details here).
- Automation: Developed a System Resource-monitor to provide a real-time overview of system status (written in BASH, details here).
- Virtualization: Setup, deploy and manage Windows Desktops on (type 2 Hypervisor) VirtualBox VMs hosted on Linux Server, for remote access via RDP over VPN.
- Virtualization: Setup of Nginx webserver backend (6 nodes); front-ended by reverse-proxy/load-balancer managed by HAProxy (2 nodes); all nodes running virtualized on Oracle VirtualBox, hosted on Linux Ubuntu Server.
- Technical Report Writing: Provide full documentation on all projects completed (see here).