Curriculum Vitae

Name: William T.G. Hart Education: BSc Hons, Maths

Address: 17a Barnard Hill, London N10 2HB Marital Status: Married

Tel: 020-8444-6337 (Mobile:07979-470074) Email: bill.hart@ymail.com

|  |  |
| --- | --- |
| Principal IT skills | **Level of experience** |
| Network Management/Messaging/Security | **15+ years** |
| Windows NT/2000/2003/2008/2012/XP/7/8 | **17+ years** |
| Linux (Red Hat/Suse/Ubuntu/Centos/Debian) | **15+ years** |
| Firewall, Web & Email Management (Exchange, Sendmail) | **12+ years** |
| Technical Project Analysis | **10+ years** |
| AWS (EC2, S3, ELB, Cloudfront, Terraform, Ansible) | **3 years** |

|  |
| --- |
| Profile Summary: |
| **Network Manager/Systems Engineer and DevOps Engineer with over 20 years experience installing, maintaining and managing network systems. Specialities include security, Linux/Unix and Perl/Scripting.**  In the course of my career, I have implemented and managed numerous networks and network services, most recently specialising in the deployment and upkeep of virtualisation, web, mail and associated security systems – notably web proxy systems, firewalls and email filtering systems, all of which projects I planned and personally deployed. I have developed Continuous Integration/Continuous Delivery pipelines using a variety of tools and developing microservices from scratch. In addition to my technical problem-solving skills, I have also worked on overseeing projects and also developing the in-house security/IT policy in conjunction with the personnel department of my current employers. Among my other abilities are:   * **Staff management** * **Strong presentation skills** * **Extremely Comprehensive technical ability in Linux/Unix and networks.** * **CI/CD development and engineering.** |

**Employment Details:**

|  |  |  |
| --- | --- | --- |
| **Duration:** August 2019 – Present | **Company:** iManage | |
| **Role:** DevOps Engineer Details Engineer, brought in to contribute to the development and maintenance of the core CI/CD pipelines, running on Jenkins, and to contribute to the introduction of orchestrated Docker containerisation (Kubernetes) and assisting developers in keeping the build pipelines operational. Building of newly updated Docker containers for the purposes of running unit and functional tests and running code analysis against test results within Jenkins/Groovy. Involvement  * Created and updated core Jenkins pipelines, maintaining a standardised approach to code verification, testing and deployment. * Wrote Ansible scripts for the purpose of building test Kubernetes clusters. * Introduced improved methods of using Jira among the DevOps team. * Developed new Docker containers for use within the testing and deployment stages of the pipelines. * Assisted developers with troubleshooting and maintenance of project pipelines. * Built and provisioned additional Jenkins slave node and several test Exchange servers.  Skill summary  * **Unix/Linux Red Hat, Debian, Centos and Ubuntu distributions. Bash shell scripting, Ansible scripting, Windows (all versions).** * **Docker, Kubernetes, Ansible, Jenkins, Minikube, Zabbix, Rancher2, Jenkins Job-builder, Helm Charts.** * **Tools used include Slack, Artifactory, Confluence, Jira, Gitlab.** | |  |

|  |  |  |
| --- | --- | --- |
| **Duration:** November 2018 – August 2019 | **Company:** Crownpeak | |
| **Role:** Platform Operations Admin/DevOps Admin Details Brought on as a Docker/Kubernetes expert to contribute to the containerisation of the company product line. Worked with Terraform in developing fully scripted running environment. Redesigned the apex redirect service as a fully containerised system, using an Nginx/Openresty front end and Stunnel VPN connection to a Redis/Elasticache backend database. Assessed and deployed Rancher2 system with aim to use this as the management end of an EKS-based orchestrated container system. Developed CI pipelines using Travis-CI and Github to both build and deploy Docker containers in a Kubernetes cluster. Involvement  * Built full end-to-end demonstration CI/CD pipeline incorporating Travis-CI and Docker/EKS with aim to roll out to further services. * Troubleshooting and support of client hosting across both Windows and Linux environments hosted in AWS. * Wrote comprehensive documentation on all systems I deployed and built. * Presented ‘lunch and learn’ sessions to help disseminate knowledge of  Skill summary  * **Unix/Linux Red Hat, Debian, Centos and Ubuntu distributions. Bash shell scripting, ansible/Terraform scripting, AWS (EC2, S3, RDS, Cloudwatch, ELB).** * **Docker, Kubernetes, Ansible, Travis-CI, Amazon Web Services, Terraform, Redis/Elasticache, Nagios, Site24x7.** * **Tools used include Slack, Pagerduty, Confluence, Jira, Github.** | |  |

|  |  |  |
| --- | --- | --- |
| **Duration:** July 2017 – November 2018 | **Company:** Civica Digital | |
| **Role:** Linux Systems Administrator/DevOps Admin Details Development of a CI/CD pipeline using Docker, Kubernetes, Drone-CI and Bitbucket for development of highly secure client environments. Working with development team in construction of container-based services based on NPM/Java core. Support and maintenance of client hosts in various remote locations and internally hosted environments. Exposure to Terraform/Ansible in maintaining and managing updates and installation of server estates. Built full Kubernetes stack via Terraform/Ansible, in an AWS cloud environment. Developed in-house Gitlab/Mattermost deployment on a Kubernetes stack to replace existing out-of-date system. Constructed Icinga monitoring system for monitoring of client environments. Involvement  * Built full end-to-end CI/CD pipeline incorporating Drone-CI and Docker/Kubernetes in an AWS cloud-based environment, built with Terraform. * Supported client systems and updated existing environments. * Introduced microservice-based replacement systems for internal management. * Worked on the upgrade of existing hosting environment within an operations team.  Skill summary  * **Unix/Linux Red Hat, Debian, Centos and Ubuntu distributions. Perl and Bash shell scripting and general troubleshooting. AWS (EC2/VPC/ELB/SG). SMTP, DNS, MySQL.** * **Docker, Kubernetes, Ansible, Jenkins, Drone-CI, Amazon Web Services, Terraform, Nginx, Apache, Sensu, Icinga.** * **Documentation and knowledge transfer. Supporting development teams.** | |  |

|  |  |  |
| --- | --- | --- |
| **Duration:** April 2017 – July 2017 | **Company:** CNS Group | |
| **Role:** Infrastructure Manager Details Management of core infrastructure, comprising two data centres and a head office, involving the maintenance of all core network equipment and software as well as management of two staff. Third line support of both infrastructure and key business applications, including Alienvault, Nagios/Check\_mk, Juniper and pfSense firewalls, vSphere 6.5, Linux and Windows 2008/12 server estate. Maintain out-of-hours schedule for internal staff, ensure security standards are maintained and implement infrastructure projects and improvements where required. Involvement  * Personally upgraded vSphere environment in line with business requirements. * Investigated and developed elements of Alienvault system to improve monitoring of both internal and customer environments. * Introduction of Solarwinds monitoring system for key infrastructure elements.  Skill summary  * **Unix/Linux management and installation of SuSE, Red Hat, Debian, Centos and Ubuntu distributions. Perl and Bash shell scripting and general troubleshooting. VMWare & SAN. Alienvault management.** * **SMTP, DNS, DHCP, TCP/IP, Radius, VPN, Juniper, Cisco.** * **System documentation and presentation skills. Mentoring of Junior Staff.** * **Technical Project Management, Security and Technical Documentation.** | |  |

|  |  |  |
| --- | --- | --- |
| **Duration:** July 1999 – April 2017 | **Company:** Institute of Directors | |
| **Role:** Senior Linux/Unix Project Analyst – Cyber Security Officer | |  |
| Details Assessed and tested security of all company systems and applied fixes/solutions where needed. Roll-out of all Linux-based servers. Scripting of automated updates and maintenance in Perl and Bash. Introduction of company-wide IT security policies.Development and maintenance of day-to-day backup and disaster recovery plans for the company including VMWare. Programming in Perl for Unix log file analysis and report generation. | | |
| Involvement  * Responsible for the evaluation, selection and development of all Linux-related technologies. * Personally install, upgrade, maintain and manage web/email services and email scanning systems for the entire business. Introduced VMWare ESX 3/4/5 server & Dell Equalogic-based SAN. * Introduced numerous Unix/Linux-based firewall, DNS, DHCP, proxy, monitoring and mail services as required for specific projects. Experience with Nagios, Zenoss, Cacti, IPSentry, Snort, Tripwire and Wireshark. Installed new Checkpoint firewall system for company. * Responsible for selection, installation and management of company-wide VPN/WAN deployed across main and satellite offices. | | |
| Skill summary  * **Unix/Linux management and installation of SuSE, Red Hat, Debian, Centos and Ubuntu distributions. Perl and Bash shell scripting and general troubleshooting. VMWare & SAN.** * **SMTP, DNS, DHCP, TCP/IP, Radius, Checkpoint, VPN, Juniper, Foundry, Sendmail/Exim.** * **System documentation and presentation skills. Mentoring of Junior Staff.** * **Technical Project Management, Security and Security Policy formulation. Some exposure to Puppet.** | | |

|  |  |
| --- | --- |
| **Duration:** March1999 – July 1999 | **Company:** Ince & Co. |
| **Role:** Senior Support Analyst (Temporary posting) |  |
| Details Streamlining of company’s network management schema and rollout of anti-virus management system across all workstations. Trial development of Netware 5.0 network system. Documentation of office IT procedures. | |
| Involvement  * Introduced centrally-managed anti-virus deployment system. * Rationalised account profile/policy management using existing Novell Netware 4.11 NDS system. * Provided desktop support for all staff in conjunction with 4 other support staff. | |

|  |  |
| --- | --- |
| **Duration:** Sep 1997 – Mar 1999 | **Company:** London School of Hygiene |
| **Role:** Department Systems Manager |  |
| Details Mangement of Department Helpdesk, purchase, specification and deployment of all departmental IT equipment/software. Department-wide workstation upgrades to Windows NT 4.0. Network server upgrade from Novell Netware 3.12 to Netware 4.11. Deployment of new network printer/print server system. Analysis of Linux-based web & application servers. | |
| Involvement  * Budgeting, purchasing, configuration and installation of all workstations. * Migration of user accounts and installation of Netware servers in conjunction with the central support team. * Line management of one support staff member and department helpdesk. | |

|  |  |
| --- | --- |
| **Duration:** Sep 1995 – Sep 1997 | **Company:** Crisis |
| **Role:** Systems Manager |  |
| Details Organisation-wide responsibility for purchase, support, specification and installation of all IT equipment and software. Responsible for overseeing and installing the wholesale replacement of company network infrastructure to new ethernet-based topology. | |
| Involvement  * Budgeting, purchasing, configuration and installation of all workstations. * Introduction of new network infrastructure in line with the main office relocation. * Migration of user accounts and introduction of Netware server system. * Line management of up to three support staff and 20 volunteer staff. | |

|  |  |
| --- | --- |
| **Education:** |  |
| Birkbeck College, University of London | 2.1 BSc (Hons) Maths, Stats and Computing |
| North London Technical College | City & Guilds, Cobol & C Programming |
| Northeastern University, Boston, Mass. USA | General Studies (Maths, Psychology) |
| Norwalk High School, Norwalk, Conn. USA. | American High School Diploma |

|  |
| --- |
| **Supplemental Training** |
| Macintosh Server Essentials, Ethical Hacking, AIX System Administration, Recruitment & Interview Skills, Active Directory Administration, Prince 2 Practitioner, Windows Server Essentials, Implementing Exchange 2003, Maintaining MS SQL Server 2005, VMWare VSphere Configuration, Installation and Management, Python Scripting, DevOps Essentials, Jenkins Build Automation, AWS Concepts, Running Container Clusters with Kubernetes. |

|  |
| --- |
| **Languages** |
| Basic French |

|  |
| --- |
| **Hobbies** |
| Shotokan Karate, Swimming, Writing, Music, Theatre, Computing |

# References available on request