**CURRICULUM VITAE - Gordon Clark**

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**PERSONAL DETAILS**

**Date of Birth** 04th March 1969

**Nationality** British

**Marital Status** Married

**Health** Excellent

**KEY SKILLS**

Unix (RHEL/Ubuntu/Solaris) – 15 years Weblogic application server (v6.1, 8.1)– 5 years

Jboss portal/application server – 3 years Shell scripting (bash, ksh etc)– 13 years +

IBM Websphere (v4.1/6.1/7) – 3 years IBM MQ/broker – 3 years

Media streaming – 3 years Apache/IIS – 8 years

Terraform – 1.5 years Oracle (RAC/RDS) – 6 years

MySql/MySql cluster – 3 years Perl – 3 years

Python – 3 years SQL – 6 years

Postgresql – 1.5 years Packer – 2 years

SSH/SFTP – 14 years Amazon AWS – 7 years

Tibco (EMS/BW etc)– 5 years Docker/Containers – 3 years

Bamboo CI – 8 months GIT – 3 years

Ant/Maven – 3 years ITIL – 4 years

Puppet – 2 years Ansible – 4 years

Hudson/Jenkins CI – 5 years Informatica 7.2/8.1 – 2 years

Proxies (apache, nginx, squid) – 4 years

**CAREER HISTORY**

Jan 18 – present **Registers of Scotland, Edinburgh – Cloud Devops engineer (contractor)**

Duties:

* Working as member of a devops team mainly responsible for the provision of container based solutions on the Red Hat Openshift container platform
* Configuring Openshift security, images and automation
* Moved onto a ‘Cloud Working Group’ team to plan the migration of on-premise resources to the public cloud
* Evaluated Azure, Google Cloud and AWS as part of the above group
* Designed plan for effective use of accounts using AWS Organizations across Registers of Scotland cloud estate
* Created an end-to-end AWS account vending machine using a simple web-page, Step Functions, SES/SNS and Lambda
* Created a CIS compliant base-build for all new accounts, with audit controls, restricted IAM guard-rails, flow-logs etc – using Troposphere to generate AWS Cloudformation templates
* Created alarms and remediation functions to intervene when the above controls are breached
* Creation of a Codepipeline process for Cloudformation template validation, testing and deployment
* Designed & automated a cost-effective document management system in AWS for a separate project – using API Gateway, Lambda and S3
* Integrated MS Active Directory/ADFS with AWS IAM for authentication/authorisation into the AWS console and CLI
* Automation/integration of AWS Cognito to allow customer authentication into front end application infrastructure

Jan 16 – Jan 18 **Tesco Bank, Edinburgh – Cloud engineer (contractor)**

Duties:

* Working as senior member of a devops team responsible for the provision of linux (RHEL) and Windows virtual machines & environments based on Amazon AWS
* Automating the provisioning of applications including nodejs/java microservices, Tibco, Jboss, Google Edge etc
* Migration of bank front and back-end services to AWS
* Designing and implementing solutions to improve the cost/efficiency of these services
* Reviewing/measuring team ‘ways of working’ to ensure best practice
* Conducting peer reviews with other team members
* Representing the team as a technical lead in architecture/project/security meetings
* Working as part of various Agile teams using mainly kanban methodologies
* Setup & administration of continuous delivery pipeline including Jenkins CI, Gitlab GIT repositories, build/deploy scripts etc
* Provisioning of CI test infrastructure using Docker (AWS ECS) and Selenium grid
* Automation of image/machine/load balancer provisioning using Ansible
* Evaluation & Installation of monitoring/trending components – (CA APM, Splunk, ELK stack) & associated dashboards
* Network troubleshooting using VPC flow logs, wireshark.
* Provisioning environment DNS using Active Directory/Route53
* Security certificate generation, platform hardening & monitoring (AWS security groups/IAM roles/ACLs)

May 14 – Jan 16 **Scottish Govt, Edinburgh – Infrastructure Engineer (contractor)**

Duties:

* Working as part of a devops team responsible for the provisioning of linux (Ubuntu) virtual machines & associated infrastructure (networks/firewalls etc) based on Skyscape cloud (VMware Vcloud Director) and Amazon AWS to host a government services portal
* Working as part of an Agile team using both scrum & kanban methodologies
* Setup & administration of continuous delivery pipeline including Bamboo CI build server/Jenkins, Stash/GIT repositories, build/deploy scripts
* Automation of image/machine provisioning using Packer/Puppet/Fabric
* Deploying puppet in a masterless setup to aid the above
* Amazon EC2/S3 (AWS) orchestration using the AWS CLI & Ruby/Python (boto) SDK’s
* Comparison work with Puppet/Ansible to review compare provisioning strategies
* Automation of database (postgresql mainly) provisioning/upgrades using puppet/flyway
* Application (Java/Node.js/elasticsearch/mongodb) administration/deployment using puppet & fabric
* Evaluation & Installation of monitoring/trending components – (Nagios, Monit/Graphite/Kibana/collectd/statsd) & associated dashboards
* Network troubleshooting using tcpdump/wireshark
* Conducting host based tests with Serverspec
* Creating AWS (vpc) resources with Terraform
* Setting backup strategies using local storage, S3 and Glacier
* Provisioning environment DNS using DNSmasq & Route53
* Security certificate generation, platform hardening & monitoring (AWS security groups/IAM roles/ACL’s)

Mar 11 – May 14 **Tesco Bank, Edinburgh – Linux Consultant (contractor)**

Duties:

* Working as part of a team responsible for the provision of AIX & Linux based (RHEL 5 on XEN) environments for a new retail banking operation
* Installation of application/web servers (Jboss Portal/EAP, Apache) & middleware components (Tibco BW, Admin server, Policy Manager/Agent, RV/RVRD, EMS)
* Continuous build/delivery of application artefacts from source code (using Maven/Hudson/Artifactory)
* Configuration & deployment of applications onto the above platforms in accordance with bank change/release strategy (primarily using perl/python/shell scripts)
* Installation/configuration & integration of FICO Falcon Fraud Manager on IBM AIX
* Integration/troubleshooting of the above applications with other internal & 3rd party platforms (IBM Websphere Application Server, Weblogic, Active Directory/LDAP/IBM Websphere MQ)
* Hardening of applications & certificate management using SSL (keytool, openssl)
* Improvement of software build/delivery/deployment methods to facilitate automated & repeatable releases/changes
* Formulating & documenting installation/deployment /build processes (Word/Excel & wikis/JIRA)
* Promoting best-practice SCM (software configuration management) methods to enhance quality of solution delivery
* Migration of infrastructure/application stacks to Amazon EC2 cloud instances as per bank project requirements
* Automation of Amazon EC2 instances deployment using Vagrant/Boto/Ansible
* Conducting process improvement reviews to enhance the above processes/activities
* Assisting with technical architecture workshops & functional/non-functional testing

Oct 09 – Mar 11 **BSkyB Ltd, Livingston – Release Manager (contractor)**

Duties:

* Managing a team responsible for prompt, quality releases of code to various platforms & containers (Oracle DB, Informatica, IBM Websphere MQ/Portal/Process Server/Application Server etc) for a new CRM portal project
* Implementing an automated workflow system using Hudson CI & bespoke scripts to deploy releases continuously & on-demand
* Part of a steering committee to define source code control & code promotion policies (in subversion) for the project
* Maintaining an incident log to track build/deployment issues
* Identifying & implementing quality improvements to reduce/prevent issues on subsequent builds/deployments
* Formulating a release plan to meet the requirements for the project
* Implementing & documenting new environment builds in accordance with SOA & virtualization strategy (Solaris 10 & RHEL)
* Troubleshooting platform issues, application/deployment issues & implementing solutions to avoid future problems
* Administration of IBM Websphere, Process Server, MQ, Broker, IHS/Apache, Informatica etc
* Maintaining a configuration management database (Oracle) to record release baselines/updates/common issues & resolutions.

Jan 09 – Oct 09 **ITHR Consulting Ltd, London – Service Delivery consultant (contractor)**

Duties:

* Responsible for the build/release & site management of a range of java/php applications to various operating systems (Mac OSX, Linux-Red Hat/Ubuntu, Solaris) & containers (Tomcat, Jetty & JBoss)
* Primary project was the build/integration/delivery of the Nowsocial application for Vodafone as part of the Now+ product suite. Integrating various social networking platforms with the mobile operators own services.
* Taking part in meetings with internal/client stakeholders to ensure project requirements are being met (non-functional requirements for example)
* Managing the various development & test (Dev-Test, QA) environments as well as advising on pre-production setup & configuration
* Formulated & implemented a build, release management & deployment strategy (using ITIL guidelines) for the project, which was adopted by other projects
* Managed data centre move of servers with zero downtime for the client
* Design & implementation of a Hudson powered Continuous Build/Integration system to automate the above functions in line with the Agile/SCRUM development strategy being used in the project
* Installation/system administration of VMWare/VirtualBox/Parallels virtual machines (running Ubuntu/RedHat Linux & Solaris)
* Meeting targets/release objectives for specific ‘sprints’ & contributing to the setting of these in daily SCRUM meetings
* Setting up a complete helpdesk system at low-cost using OTRS (open source ticketing system) & integrating it with the companies email system
* Troubleshooting application deployment /system integration issues & implementing solutions to avoid future problems.
* Implemented a monitoring framework, using primarily bespoke scripts to alert staff (via email/trouble ticket & SMS) to application/system failures

Jul 07 – Jan 09 **BSkyB Ltd, Livingston – Release Management Engineer (contractor)**

Duties:

* Building & deploying J2EE CRM (chordiant) applications (running on Websphere 4/6 & MQ v5/6) to multiple test/pre-production/production environments in accordance with ITIL change management procedures.
* Installation/administration/support of IBM Websphere application server v4 & v6
* Integration with IBM Websphere Process Server (WPS)
* Administration/support of IBM MQ series/broker v5 & v6
* Administration/support of Informatica datawarehouse/ETL components
* Writing Unix shell/perl scripts to automate application deployment/administration.
* Planning & implementing application/environment migrations (between data centres for example).
* Implementing & documenting new environment builds in accordance with SOA & virtualization strategy (Solaris 10 & VMware)
* Troubleshooting platform issues, application deployment issues & implementing solutions to avoid future problems
* Maintaining a configuration management database (Oracle) to record release baselines/updates/common issues & resolutions

Nov 06 – Jul 07 **Vodafone UK, Theale, Berks – Web analyst (contractor)**

Duties:

* Providing support & administration for a suite of clustered J2EE retail applications (running on Solaris/Windows 2003 & Weblogic Server 8.1)
* Installation/administration/support of Weblogic application server 8.1 running in a weblogic clustered environment.
* Liaising with infrastructure/DBA resources to resolve issues with network, operating system & database (Oracle v8) elements, providing input to design/architecture meetings.
* Planning & implementing deployments & upgrades of applications in accordance with change management procedures.

Sept 05 – Nov 06 **SLA Ltd, London/Düsseldorf – Portal Consultant (contractor)**

Duties:

* Providing on-site support & administration for the new deployment/migration of a J2EE (struts) driven mobile portal to a Vodafone data centre in Düsseldorf, Germany.
* Supporting the various countries legacy J2EE applications (on Solaris & WL server 8.1) during migration period.
* Migrating applications from Weblogic v8.1 application server to Jboss application server.
* Integrating portal applications with streaming/messaging applications.

Oct 01 – Sept 05 **Three UK Ltd (Hutchison 3G UK Ltd) Reading, Berks – Portal/Middleware Engineer**

* 3rd line support for range of bespoke J2EE applications running on Sun Solaris
* Installation & upgrading of applications in accordance with strict change management policy
* Editing ANT scripts to deploy applications on various environments.
* Installation/administration/support of Weblogic application server 6.1/8.1
* Installation/administration/support of Apache & IIS web servers.
* Configuration of Apache proxies

May 00 - Nov 00 **Colt Telecom GMBH Düsseldorf - Shift technician**

* Installation/administration of Nortel NMS application on Linux
* Maintenance of DWDM/SDH network
* Wrote new procedures for NOC staff
* Learned to speak elementary German

May 99 - May 00 **Fibernet Ltd, London – Network Controller**

* Operation/maintenance of DWDM/SDH network using Marconi EMOS running on Solaris
* Operation of Cisco routers/switches
* Operation of HPUX network management platform

May 89 - May 99 **Royal Air Force - Aerospace Systems Analyst**

* Worked as part of 24/7 rota
* Operation of a world wide secure SDH/ATM WAN & associated IT elements
* Operation of local NATO intranet & applications

**EDUCATION / QUALIFICATIONS**

**Dec 2017 AWS Certified Sysops Engineer – Associate**

**Dec 2017 AWS Certified Developer – Associate**

**Dec 2016 AWS Certified Solutions Architect - Associate**

**Feb-May 2006 Volkshochschule,** Düsseldorf, Germany

‘German as a foreign language’ intermediate language course.

**Sept-Nov 2005 Volkshochschule,** Düsseldorf, Germany

‘German as a foreign language’ advanced beginners language course.

**1993-1995 Aberdeen College,** Grampian

Higher National Certificate units in Database management, Software engineering & Operating systems.

**1981-1986 Glenrothes High School,** Glenrothes Fife

'O' levels in English, Arithmetic, History, German, Latin, Physics & Chemistry.

**SPECIALISED TRAINING**

Apr 05 **Container Camp,** London.

2 x workshops on Container Troubleshooting & security & hacking Kubernetes clusters

Apr 05 **BEA Systems UK Ltd,** High Wycombe.

BEA Weblogic 8.1 advanced administration course covering topics including advanced JVM configuration, performance tuning of Weblogic application server, JMX techniques, WL Apache plug-in installation & use.

Nov 04 **Sirius IT,** Reading.

Advanced Squid Web Proxy Cache course covering the installation, configuration & troubleshooting of Squid in a Solaris environment.

Oct 02 **Pink Roccade,** Reading.

IT Service Management (ITIL accredited) foundation course covering principles & best working practices of the ITIL methodology including Service Management, Problem Management, Incident Management,Configuration/Change Management & Release management.

Jun 02 **Tibco GMBH,** Munich.

Tibco Enterprise Product 'boot-camp' intensive course covering installation, configuration & troubleshooting of the Tibco Enterprise suite including Tibco RV messaging, Integration Manager, Tibco Adapter SDK & Tib Hawk.

Feb 02 **BEA UK Ltd,** High Wycombe.

BEA Weblogic 6.1 Administration course covering installation, configuration, performance tuning & monitoring of Weblogic Server 6.1.

Dec 99 **GeoTrain,** Maidenhead.

Cisco Enterprise Management Solutions course covering network management, SNMP, Cisco TCP/IP, configuration, performance & fault management of Cisco routers & LAN switches.

Apr 99 **Connectivity Ltd,** Docklands, London.

Microsoft Certified Professional course covering networking essentials & Windows NT 4.0 server/workstation configuration & management.

Sep 95 **London Air Traffic Control Centre technical school,** West Drayton.

System administrators course on the Royal Air Force Automated Low Flying & Flight Planning System covering UNIX, X-25, WAN's, System administration & SQL programming.

**REFERENCES**

Produced on request.

**DRIVING LICENCE**

Full, car owner.

**LEISURE INTERESTS**

Sport (Football, Golf, Skiing, Scuba Diving), Reading.