

# Curriculum Vitae for Mike Atkinson



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## Contact Details

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## Personal Details

I am a U. K. Citizen with a permanent residence two miles from the City of London. I am tenacious, inventive, goal orientated and prepared to use my initiative in work activities. I am well disciplined in best I.T. practices, whilst maintaining good sense of humour. Personal satisfaction comes from enlightening and enthusing fellow employees.

I am in good health and I am looking for **contractual** work within a fifteen mile radius of London or alternatively abroad. I have an H.N.D. in Electrical and Electronic engineering.

## Skill Summary

I have a solid technical background and I am most adept at rapid acclimatisation to new techniques and environments. I have worked with the UNIX operating system for the last 15 years where I have acquired excellent System Administration and Development skills on Linux (Fedora, SuSE and Ubuntu) and Solaris Platforms

## Languages

- Over five years experience of Perl, PHP and bash Shell scripting.
- Six months experience of Python and Ruby
- Three years experience of SQL(primarily Sybase and Mysql)
- Three years experience with Javascript, CSS and HTML

- One years experience JQuery
- Three years experience of C coding.

I have a multi-faceted I.T. skill set with in-depth knowledge of the following

- RedHat/CentOS/Fedora/SLES11 Linux System Administration, System tuning and hardening.
- Sybase Openclient and Mysql
- Build tools (Ant, Maven, Gradle, Groovy-grails and Make)
- Configuration Management of internal and third party applications and automated delivery systems to multiple and clustered environments.
- Source code control systems (GIT, SVN, CVS, PVCS, RCS and SCCS)
- Network protocols and applications including DNS, BIND, NIS/NIS+, NFS4, sendmail, postfix, dovecot, samba and routing.
- Network security including firewall configuration (iptables), Selinux, secure shell, kerberos and general system hardening.
- Performance Analysis
- Automated Machine Maintenance
- Disaster Recovery Methods

I have good knowledge of the following

- Vmware ESX Servers
- Amazon Web Services
- Microsoft Windows Server 2003, XP, Vista, 7 and Configuration (including Active Directory, IIS and the Registry structure).

- Microsoft Applications and Development Tools (Visual Basic).
- AIX and HPUX.
- Java 2 Platform Enterprise Edition on Linux and Tomcat 5, 6 and 7

## Employment History Summary

All My Stuff Ltd.	August 2012 to date
News International Newspapers Ltd.	February 2011 to July 2012
Which? Ltd.	July 2008 to September 2010
Arm Ltd	Oct 2007 to April 2008
Tideway Systems	Oct 2006 to August 2007
G4S Security Services (UK)	Aug 2005 to Sept 2006
Travelling (Australia)	first half 2005
West LB Systems	May 2004 to December 2004
Quadriga Ltd	Jan 2003 to Nov 2003
Various Small Office Contracts	2002/2003
Deutsche Bank	June 2001 to Jan 2002
Assendon Technologies	April 2001 to May 2001
Abbey National Treasury Services (now Santander)	April 2000 to March 2001
Vodafone Mannesmann	January 2000 to March 2000
P&O Nedlloyd	June 1999 to December 1999
Deutsche Bank	November 1998 to May 1999
Abbey National Treasury Services	December 1997 to October 1998

# Employment Details

## All My Stuff Ltd

All My Stuff is a personal venture to create a Web Presence where subscribers can keep personal details secure and on-line

You may visit this site [here](#)

## News International Newspapers Ltd

NI is dramatically increasing it's Web presence as the sales of paper newspapers continues to decline. As well as the tradition browser sites for the Sun, Times and Sunday Times editions, the Company offers Apps for IOS and Android devices.

My tasks with NI can be summarised as follows:

- Creation and maintenance of Solaris and Linux VMs on NI's VMWare estate
- Migration of LAMP services hosted at UK-Fast (a third party) to Amazon Web Services (AWS). This included setting up EC2 and RDS Instances, Load Balancers (with SSL off loading) and appropriate Security Groups.
- Providing an automated delivery mechanism for each LAMP Application to UAT, Staging and Production Environments hosted thereon.
- Migrating existing SVN repositories from Solaris to Linux and mirroring. Adding LDAP authentication
- Migrating the SysAdmin SVN Repository to the Git Hub

## Which? Ltd.

Which? Ltd. have a strong Web presence providing it's Customers with a wide range of Product evaluations and assessments and other services. The Web site content is very dynamic and changes throughout the day. The structure of the site continues to evolve with a major recent taxonomy upgrade. A large quantity of site content is held on a relational database and accessed via compiled Tomcat jsp pages through various Web Applications.

I joined Which? in July 2008 to initially provide Business as Usual support for all development, test and live web sites. Shortly after, I moved on to become more involved with strategic project based work. This work is detailed below.

- Automated deployment processes for CMS data, Web Applications and Apache

httpd and Tomcat configuration data.

- Migration of all web sites from Solaris 9 to RedHat EL5 Operating System Platforms
- Build and Preparation of RHEL5 Virtual Machines on a VMWare ESX cluster and System Administration of same.
- Subversion management and repository mirroring
- Writing a Browser based LAMP tool to empower the Development Team to request and deploy Site Content to all internal Web Sites

## **ARM Ltd.**

Arm is an Enterprise, Worldwide Designer of Microprocessors with offices in Cambridge, Bangalore, Sunnyvale, Austin ....

The Company has designed microprocessors which have produced ten billion units. Developers within the company use SVN (Subversion) to manage their source code at an appropriate local data centre. ARM extended SVN to allow load balancing across each Server in a data center, with Repository mirroring to provide resilience and a hot standby. Access Control was managed to directory level in each Repository. Repository data was held on a NetApps iSCSI filesystem and shared data on an NetApps NFS volume.

My work with ARM included

- Fedora EL4 and EL5 System Administration and Installation.
- NFS and iSCSI filesystem management from a NetApp Filer.
- Worldwide deployment and support of their Subversion Source Code Control Management System
- Migration and Importing of Source Code from other systems into SVN
- Nagios System Administration
- Wiki System Administration

I successfully upgraded ARM's SVN Installation in Sunnyvale, California with no impact and zero down time for users.

## **Tideway Systems**

Tideway Systems have developed an innovative software product that "Discovers" Computers on Company Networks.  
My work with them included

- System Administration of Linux (Redhat EL5, Fedora 7, Solaris 9/10) Real and Virtual Machines
- VMware Virtual Machine management
- Configuration Management of Tideways Foundation Product
- SVN (Subversion) Source Code Control System and Web Interfaces
- Single sign on for the developer network (NIS migrating to LDAP)

## **G4 Security Services (UK)**

G4 Security Services UK provide a wide range of Security services across the UK. My remit there was to re-engineer a Stolen Vehicle Recovery System. I worked with one other consultant to re-design the system and provide the appropriate infrastructure to develop and deploy this application. My tasks included the following.

- Build and prepare development and live machines (Install Linux and support applications)
- Re-design system from scratch
- Provide System Administration for development and live machines
- Liaise with G4S networking and procurement teams to ensure timely delivery of VPN's, mail gateways and hardware required for the project
- Code and Unit test components of the new system
- UAT the new system
- Document the new system

## **WestLB Systems Ltd**

WestLB Systems provide the I.T. infrastructure for WestLB Commercial Bank. My tasks and duties there were as follows:

- Provide System administration on various Sun Hardware including Jumpstarting and patching Solaris (up to 2.9), Manage NIS maps and ensure that the appropriate "Chinese Walls" were in place for filesystems distributed via NFS. Manage automounter NIS maps to ensure that NFS distributions were identical on all boxes. Investigate possible migration of NIS to LDAP.
- Automate delivery of in-house Summit extensions using Korn shell scripting.
- Automate delivery of Summit batch changes using Korn shell scripting.
- Provide Summit/Sybase Account Management on Production, Downstream and Replicated databases using TSQL embedded in Perl.
- Automate management of UNIX Business, Developer and Administration Accounts using Korn shell, Perl and C.
- Write TSQL to manage Summit Sybase Databases on ASE V12 (TSQL embedded in Perl)
- Provide System Administration on Solaris 2.6, 2.7 and 2.8 Servers including NFS and NIS changes and investigate the implications of moving from NIS to LDAP.
- Introduce house keeping CRON jobs written in Korn shell.
- Apply Summit Upgrades and metadata changes.
- Introduce a Source Code Management system based on CVS
- Encourage the use of OpenSSH as a replacement for rsh/rlogin/ftp/telnet

## **Quadriga Worldwide Ltd**

Quadriga provided innovative products for the Hotel Business. These products manage Hotel Billing, In-room checkout, Streaming Video, Guest Internet access and so forth. Most code was written in Java. I provided Product Engineering skills to manage code development, quality gates and deployment for these products. Technically, this involved the following:

- System administration of all Development Linux/Windows Machines.
- Migrating Linux development Standalone machines to NIS/NFS clients.
- Managing the J2EE environment on these development machines.
- Enhancing access to the CVS Code Repository by adding Pre/post Commit validation checks and Tag/Branch management. I wrote these enhancements in Korn shell and Perl with DBI/DBD hooks into the Mysql bug/task management database.
- In the instances where an application was identical for all Hotel Clients, I devised a cloning mechanism so the product and operating system could be installed in under 30 minutes

## **Miscellaneous Office Contracts**

With the depression in the IT industry, I took on a number of small office contracts for a Barristers Chambers and other small businesses. These involved designing and planning local area networks and connectivity to the outside world (E-mail, Internet Browsing and in some cases providing an Internet site for the client. Security was paramount in the planning and to this end I used Linux (SuSE 8) running on an i386 machine with two network cards (Internet and Intranet). Packet Filtering and system hardening (fire walling) was done with iptables and validated with nmap.

I also provided some consultancy and support services to ABK (Bank of Kosovo).

As a background task, I wrote a distributed batch scheduling and machine management system with built in DR fail over.

## **Deutsche Bank**

I rejoined Deutsche Bank to port the internally written overnight batch scheduling system for the Summit application to Control-M. My work involved leasing with the Deutsche's Control-M team to ensure the Infrastructure was in place to do this and porting the existing bourne, Korn shell and Perl scripts to run under Control-M. These scripts accessed the Summit Database which ran under Sybase ASE 11.5

I also designed and manage the Solaris (V2.6) NFS changes so the Control-M logging for each server was applied to the same filesystem.

Finally I negotiated the SLA between the OTC team and the Control-M team. Because there was no Microsoft Windows client applications for Control-M, I proposed, designed and wrote an Intranet based MIS tool to extract statistics and status information from the Control-M database. The Code was written in Perl with embedded TSQL and used the Perl Sybase DBI/DBD CPAN modules.

## **Assendon Technologies**

Assendon Technologies manufacture an innovative Internet bases security product based on a credit card size token provided to the user and a Validation Server. This token generates a numerical authentication string that changes every minute. The validation server duplicates the algorithm for a token on receiving an authentication string and

responds with an accept message if the authentication strings agree or a reject message if they do not.

I was taken on to manage the Company's I. T. infrastructure. To do this I set up a L.A.N. and built a Linux File/print server with an ISDN connection to the HP-UX Validation Servers. I also designed a data model for the Validation Server Database (Oracle 8i) to provide a flexible platform for future customer requirements.

### **Abbey National Treasury Services.**

I rejoined Abbey National to provide Back Office support for the Summit application running on a Sybase database on Solaris 2.5.1 and 2.6 Servers. I wrote monitoring and management information tools for Summit processes and the Control-M batch scheduler installation. I designed a code deployment and management tracking system for code deliveries to UAT, Live and DR environments. I provided training for other teams in the use of Perl and ported Korn shell scripts which traditionally used the Sybase isql Sybase binary to Perl using embedded SQL and the Perl CPAN DBI/DBD modules. I provided software environment definition tools written in Korn shell to allow easy access to test, UAT, disaster recovery and live environments and to keep these environments separate. I successfully designed and implemented a Source Code Control System based on Cygnus CVS and trained developers in its use.

### **Ft.com**

I provided configuration management and release support to Ft.com during the extended vacancy of the Company's Configuration Manager. Ft.com used Digital Island to provide the Sun Microsystems Machines running Solaris 2.6 that formed the core of the Company's web site. Ft.com used CVS for code management and internally written Korn shell scripts to manage the control and deployment of Web Content through UAT and on to the Live environment. I developed and enhanced these scripts during my contract with Ft.com

### **Vodafone Mannesmann Gmbh**

I joined Vodafone Mannesmann GmbH in Düsseldorf as part of a team of five people from the UK to provide an E-commerce product prototype for the CeBIT show in Hanover. My tasks included:

- Evaluating third part E-commerce products such as ActiveWorks, IBM Websphere, Oracle Istore, Intershop, OpenMarket/Shopsite and Vshop.
- Building a Solaris 2.6 platform and Apache 1.3 Web server with PHP from scratch
- Preparing a project plan to ensure timely delivery of the prototype to the CeBIT show.
- Automating delivery of Web Content into the Apache web servers using Korn shell scripts.

- Preparing Solaris Machines and Apache web servers and application code for the show
- Integrating internal and third party web pages into a common site
- Source code system administration

## **P&O Nedlloyd**

I joined P&O Nedlloyd to provide support within the AIX/HPUX/Linux technical support group. During my time at P&O I successfully achieved the following:

- Port the Company's file transfer database from flat UNIX files into Oracle tables and provide a Web interface to view and amend this data on the Company's intranet. This gave everyone in the company visibility of what data is moved from where to where. Porting tools were written in the Korn shell.
- Automated the conversion of internal documentation from Wordpro and Word into PDF format. This allowed the Company's documentation to be viewed on any intranet web browser with the appropriate Adobe plug-in.
- Ported the Staff Database from the Company's mainframe to Oracle tables and added a Web search engine into that database (using Perl and Pro-C)
- Implemented a Source Code Control System using CVS and trained staff in its use. Imported all source code that was not controlled into this system. Added CVS Windows clients to allow html development on NT4 clients using Microsoft FrontPage
- Set up an Intranet DNS Service.
- Set up an European Web Site
- Implemented Samba for all Client/Server developers

## **Deutsche Bank**

I joined Deutsche Bank as part of the UNIX System Administration Team (four people) to support the Solaris platforms within the Bank's front office trading room. Applications running on these platforms included Summit, ATW, ODS, Veritas, Orbix, Jetadmin, Apache, Samba etc. A wide range of Open Source tools such as CVS, Emacs, Java, Netscape, ghostscript were also supported. This support role encompasses about one hundred and fifty machines ranging from Sparc stations to E4000's. The system was glued together using NIS+, with separate Development, UAT and Production domains. As well as the re-

active day-to-day support of this environment, my tasks included the following:

- Jumpstarting new Sun Microsystems Hardware installing Solaris 2.5.1/2.6 and applying patches.
- Perl, Korn shell scripting and C coding to automate common manual procedures such as post build tasks, machine housekeeping, diagnostics, printer and NIS+ maintenance
- Oracle and Sybase Backup strategies and administration.
- Being pro-active within the environment by automating perceived repetitive time consuming tasks
- Migration of the backup strategy from Networker to ADSM.
- System resource forward planning.
- Preparing Web sites on the main servers for documentation, diagnostic queries and system status

## **Abbey National Treasury Services**

Abbey National was moving into the User Acceptance Testing Phase of a new Treasury System that used the Summit application. I joined them to head up the procurement, preparation and configuration of the Hardware and Software required for this phase. The Hardware Platforms to support this phase of the System were Sun Ultra E450 Servers running Solaris Version 2.5.1. Applications running on this system include Kondor+, Summit and Abbey's message routing system. All applications used Sybase Version 11 databases to provide repositories for static and dynamic data. I successfully completed the following tasks:

- Prepared Jumpstart scripts for all Servers and install Solaris 2.5.1
- Identified and applied Year 2000/Security patches to all servers
- Set up NIS Master/Slave Servers - install NIS maps including automounts and cache
- Prepare application and system UNIX and Sybase accounts and isolate the three autonomous Test Environments
- Install and prepare Sybase (ASE 11.0), Kondor+ and Summit applications

- Write Sybase backup Korn shell scripts using striping when databases exceed 2.2Gb
- Writing Korn shell scripts to manage access to the Kondor and Summit GUI's
- Set up CVS Source Code control system for all support scripts and binaries.
- Write and test a suite of operating system and application housekeeping scripts