# Andrew Wood

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**Website**
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**Location**
Darwen, Lancashire, UK

## Skills

- Linux system administration
- Development / sysadmin lead
- Systems analysis and design
- Systems integration
- Security auditing, PCI DSS
- Network design
- Documentation
- ITIL v3 foundation

## System admin

- Debian, AlmaLinux, CentOS, openSUSE, RHEL
- KVM, Xen, ESXi
- Apache, MySQL, BIND, vsftpd, Squid, Postfix, etc
- Unix porting (BSD variants)

## Languages

- bash, sh, sed, awk
- Perl 5, mod_perl
- JavaScript, jQuery
- HTML, CSS
- C
- HTML::Mason
- SQL (MySQL, Oracle)
- GNU toolchain

Dedicated, analytical Linux system administrator, Unix programmer, and technical manager with a history of delivering stable, secure, flexible, supportable solutions at all scales, from bare metal to the cloud, both individually and through directing a team.

## Experience

**2019-2024**  **Linux Architect**                                    *JD Sports Fashion PLC*

*Duties:* Plan the future direction of the Linux estate, including operating system and software upgrade roadmaps, across all endpoints in the company.  Steer group-wide technology decisions and influence new project design through the Enterprise Architecture Board.  Continue to act as senior technical consultant and problem escalation point for the Linux system admin team, and to assist with the general Linux system admin team workload.

*Impact:*
- Delivered a 10-year OS roadmap for 6000+ retail and server devices
- Improved security and stability with a custom endpoint management system
- Provided auditable GDPR-compliant ERP support access to developer teams
- Reduced team workload with CI/CD pipelines, initially using *Jenkins*
- Built an extensible platform for rapid delivery of support applications
- Enhanced collaboration using a bespoke Kanban tool with key integrations
- Provided support and integration strategies for *Talend* and *Matillion*
- Designed and built AWS VPCs and EC2 instances for cloud migration PoCs

**2016-2019**  **Linux Team Manager**                                 *JD Sports Fashion PLC*

*Duties:* Recruit, train, support, and manage the Linux system admin team.  Set triage policy and build roadmaps for development and technical debt reduction.  Co-ordinate team efforts with the wider business.  Ensure that all services are observable and supportable, with documentation for the service desk.  Act as senior technical consultant and problem escalation point for the Linux system admin team.  Assist with the general Linux system admin team workload.

*Impact:*
- Developed and documented all team policies and procedures
- Built an enhanced service observability platform on custom *Zabbix* exports
- Delivered a standardised, automated, build and deployment system
- Improved team performance by embedding key processes into support tools

**2006-2016**  **Senior Linux System Administrator**                  *JD Sports Fashion PLC*

*Duties:* Support and maintain the Linux endpoints running Red Hat Enterprise Linux and CentOS 4 through 7.  Provide integration solutions between systems as required by the business.  Act as team lead, senior technical consultant, and problem escalation point for the Linux system admin team.

*Impact:*
- Recruited, trained, and mentored the first Linux admin team colleagues
- Enabled core ITIL processes for the Service Desk, using *Request Tracker*
- Built server and endpoint monitoring and alerting platforms using *Zabbix*
- Delivered multiple integrations, such as between WMS and the Cobol ERP
- Created a set of self-isolating test environments and a management system
- Delivered reporting and maintenance tools to various business units

**1998-2006**  **IT Contractor**                                              *Self Employed*

System design, development, and maintenance for ISPs, media agencies, education and entertainment providers, and a regional development agency.

## Education

CCNA Discovery 1 – 4          ·          ITIL Foundation version 3          ·          BSc Hons Physics