

Mathieu Debievre

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PROFILE

I am a skilled and motivated Systems and Network engineer based in Sydney. I am a very hard worker (I financed my studies while working at the same time), able to adapt to any environment and technology. Thanks to my personality and communication abilities, I always integrate myself easily in teams and rapidly become a key person to rely on.

TECHNICAL SKILLS SUMMARY

Operating systems (both *NIX and Windows administrator) :

Linux (CentOS/Fedora, Debian/Ubuntu, OpenSuse), FreeBSD, Microsoft Windows, Mac OS X, Solaris and NetBSD

Networks :

- TCP/IP protocols : HTTP, FTP, SCP, SSH, VNC, RDP, SMTP, DNS, etc...
- Secured networks : IPsec, PPTP, L2TP, OpenVPN
- Routing and switching : Cisco, 3Com, Netgear, Dell
- Firewalls : Cisco ASA/PIX, Juniper, iptables, IPCop, PFSense
- Load Balancing : Cisco CSS, F5, LVS
- Proxys : ISA Server, Varnish, Squid

Software and technologies :

- Linux/Unix environments : BASH scripting, OpenSSH, LVS, Bind, tinyDNS, syslog-ng, Lighttpd, Apache, MySQL, PureFTPd, Subversion, Nagios, Cacti, Postfix, Dovecot, Dspam, Zimbra, OpenLDAP, FreeRADIUS, OpenVPN, Samba, ffmpeg, mod_h264streaming, etc...
- Microsoft environments : Active Directory, Exchange, IIS, ISA Server, Terminal Server and Office suite. CA ARCserve Backup. Norton Antivirus, CA eTrust and Kaspersky. VMWare, Virtual Server and VirtualBox, etc...
- Web-based Applications : OCS Inventory NG, GLPI, eGroupWare, Gosa, etc...

WORK EXPERIENCE

Systems and Network Engineer at Net Ventures

Jan 10 – now

Net Ventures provides video front-end and back-end solutions to manage video content (20 people based in Sydney).

My expertise in the video field combined with my strong technical skills makes me a key interlocutor in current and future projects of the company.

- Designing and building a cloud-hosted (CentOS) web video architecture able to absorb traffic spikes for clients such as Dominos Pizzas, Sony Entertainment, and National Breast Cancer Foundation.
- Managing a high-demand web architecture for Telstra (bigpondvideo.com), as well as providing technical reference for improvements in both the infrastructure and development.
- Writing technical specifications for a "home-made" low-cost but efficient video CDN.

- Building a flexible testing environment based on Virtual Machines and snapshots (OpenSolaris, VirtualBox, ZFS File systems), currently working on the design of an private internal cloud (Linux cluster with Xen/KVM managed by OpenQRM).
- Cleaning in-house legacy systems and infrastructure: spreading server roles, systems and configurations tuning (FreeBSD), backup optimisation, email outsourcing migration, and total redesign of the core network (Cisco components).
- Consulting with the development team about the latest technologies and services such as CDNs, cloud computing, virtualisation, caching technologies, and php optimisation tools.
- Leading internal development projects (automated deployment interface, load-balancer interface, logs interface, and internal documentation).
- Troubleshooting and optimisation of a video advertising platform for iPhone.

Systems and Network Engineer at Kewego

Sept 07 – Jul 09

Kewego is the European leader in online video hosting (startup with 40 employees in France, 10 splits in the subsidiaries in 5 countries).

I was a key team player during Kewego's infrastructure growth and performance issues.

- Installing and managing complex high-demand web architecture with more than 150 servers spread over headquarters and 2 datacenters, mostly running on FreeBSD, but also some on Ubuntu Linux and NetBSD (using LVS, Lighttpd, MySQL, NFS, Memcached, Sharedance, Sphinx, PureFTPD, Squid, etc...).
- Troubleshooting systems and network issues on the production platform, but also on development/testing platforms (Cacti and Nagios).
- SAN experience with Infortrend and Promise products (FibreChannel and SAS connectivity).
- Facilitating the developments integration on the production infrastructure.
- Monitoring the stability and performance of the websites (300 video platforms).
- Writing bash scripts tools to accelerate maintenance operations.
- Installing and managing Adobe Flash Media servers on Ubuntu.
- Working on a shifted coverage schedule.
- Deploying a HD videoconferencing system in 5 countries.
- IT management of 60 users spread over headquarters (Paris) and subsidiaries (Grenoble, London, Oslo, Munich, Madrid).
- Installing a LDAP based SAMBA Domain (PDC and BDC).
- Managing and troubleshooting a Postfix/openLDAP/Dovecot/dpsam email server
- Negotiating and liaising with hardware vendors for company's IT and Production Infrastructure.

IT Support then IT Project Leader at Almirall

Sept 06 – Sept 07

Working for ICT firm Help-Line on behalf of the subsidiary company of Almirall, a Spanish pharmaceuticals company (300 employees in France, 3300 worldwide).

I basically redesigned all of Almirall France's IT infrastructure...

- Managing a complete migration plan to move from a badly designed Windows/Exchange 2000 architecture to a "state-of-the-art" Windows/Exchange 2003 architecture : Technical references, Tasks scheduling and Documentation (only 60 computers and 11 servers, but 300 accounts spread over 2 geographic sites). 6 months of preparation were necessary for this "one week action" project.

- Writing computer system exploitation documentation and procedures for the new architecture.
- Ensuring the stability of a complex multisided and multi-domain totally unstable Active Directory/Exchange 2000 architecture (before the migration).
- Monitoring and reporting tools implementation (Nagios, GLPI, OCS Inventory).
- Ensuring workstations maintenance in the main site (only 30 computers).
- Auditing the safety of the information system, upgrading the security policy.
- Working in an international environment with weekly reporting to Spanish Headquarters.

Part-time Journalist for IT websites

Oct 05 – Jun 07

Writing for popular French websites such as Generation-NT and Tous Les Réseaux. I added my thorough and expert advice to the most technical content.

- Writing technical articles about computer sciences and new technologies.
- Writing “How-to” for improving or personalising Windows (through registry modifications, tools...).
- Writing installation and configuration tutorials for Linux applications (IPCop, Nagios).
- Attending press conferences and providing articles afterwards.

IT Support then **IT Manager** at API Provence

Sept 04 – Sept 06

API Provence is a non-profit association in the social real-estate field (100 employees, 14 sites spread over two French departments).

I proved to the board it is possible to develop a modern IT infrastructure adapted to their needs with a small investment.

- Designing a centralised architecture using VPN technologies and RDP protocol.
- Nagios implementation in order to monitor VPN links and system services.
- Managing the computer park (100 computers and 5 servers).
- User familiarisation policy.
- Negotiation and liaising with hardware vendors for company’s IT.

EDUCATION

Specialized Masters Degree in Network at Telecom ParisTech

Oct 07 – May 09

Télécom ParisTech, formerly called ENST for Ecole Nationale Supérieure des Télécommunications is the best French telecom school.

I was accepted into this degree even though I had not completed the pre entry requisite of 5 years study (I completed only 3), and graduated ranked 5th in a class of 32 students.

Bachelor Degree in Network and IT Security at University of Paris XI

Sept 06 – Sept 07

Based in the south Paris suburbs at Orsay, University of Paris XI is highly reputed for its science labs and even has a small LHC.

I graduated ranked first in a class of 25 students.

Advanced Diploma in IT at the University of Nice Sophia-Antipolis

Sept 04 – Sept 06

Baccalaureat STI at Lycée Les Eucalyptus

Sept 02 – Jul 04

EXTRACURRICULAR INTERESTS

Languages : French (mother tongue), English (fluent with a working knowledge of IT vocabulary) and Spanish (basic understanding).

Hobbies : New technology, film, bowling, spending time with friends, racing sports. Surf Lifesaver volunteer at Tamarama Beach.

Sports : Swimming, surfing, soft-sand running, mountain biking, boxing, alpine skiing, and go-kart racing. Also extreme sports like hydro speed, canyoning, rafting and rock climbing.

Travels : United States, Turkey, Egypt, Spain, Senegal, Brazil, England, Tunisia, French Guyana and Italy.