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SAMI DJEFFAL

CHIEF INFORMATION OFFICIER

Profile

A highly skilled system architect and system engineer specialist, with 15 plus years of progressive leadership in a challenging environment, capable of resolving multiple and complex issues. Strong qualifications in linux administration, open source applications, incident and team management. During my career i was able to drive critical projects with high added value. My profile combines expertise in advanced technologies, technical project management scope and team management.

Work Experience

OutsourceTHINK.(By AdThink) 2016 - Today
Chief Executive Officer

- Study, conception and development of an outsourced server management solution,
- Business development,
- UX writing and content design of the website.

Chief Information Officer 2007 - Today
AdThink Group.

ADTHINK - A major player of publishing and internet advertising, up to 150 employees, 1000 servers.

Main Figures :

- Adaccess : 120 million advertisement views per day,
- Big : 30 To of compressed datas, up to 15 Million cookie set per day,
- Mailkitchen : Up to 2 million emails sent per day.

Duties and responsibilities :

- Recruiting and managing a team of five engineers,
- Project management in high-stakes environments with high technical constraints (with up to 10 collaborators in each project)
- Driving meetings and defining roadmaps,
- Designing System's architectures,
- Optimizing budgets and production time,
- Writing technical documents : Roadmap, Specifications, Disaster Recovery Plan, Business Continuity Plan,
- Defining and implementing best practices,
- Deploying and training internal users with email best practices,
- Managing over a thousand servers.

Projects and achievements :

- Optimizing server resources with cryptocurrency mining (Monero)
- Designing and implementing complex systems and servers architectures in order to meet the different requirements of scalability, availability and performance of the Group's projects,
- Managed the implementation of Real-time bidding architecture, (<http://www.advertstream.com/en>)
- Deployed a centralised and automation system using Puppet (805 nodes) (Workflow : Git, Jenkins, Puppet lint, PuppetBoard),
- Conducted and implemented a BIG DATA server infrastructure using Hadoop, (<https://big.exchange>)
- Directed the establishment of a centralised logging solution with Graylog and elasticsearch, (3000 messages per second)
- Designed and implemented various NoSQL databases respecting the technical requirements specifications,
- Standardisation work on PCI DSS standard for the electronic banking platform,
- Engineering, designing and implementing the server architecture generating and sending millions of emails per day, (<http://www.mailkitchen.com>)
- Migration from Linux Virtual Server to Haproxy,
- Advanced system Tuning (OS, Apache, MySQL, Postfix etc...).

Linux System Engineer 2005 - 2007
Advertstream

- Conceived and deployed the Adserver architecture,
- Implemented a load balancing system using Linux Virtual Server,
- Research and development of the MySQL Cluster solution,
- Set up a monitoring system using Cacti,
- Designed and implemented high availability architectures,
- Automated servers installation with Kickstart,
- Set up a virtualisation solution.

Skills

Databases and Web Servers

Hadoop	MySQL	Apache - phpfpm
Hbase	TokuDB	Lighttpd
Redis	Percona XtraDB	Nginx
MongoDB Cluster	ElasticSearch	
Sphinx	Memcached	

Programming

Bash	Python	Php
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Monitoring

Centreon / Nagios	Business Intelligence	Sms and EMail alerts
Cacti	Capacity Planning	Business Monitoring

Network

Haproxy	TcpDump	Iptables
Linux Virtual Server	Varnish	
Wireshark	Twemproxy	

High Availability

DRBD	Cluster
Pacemaker/Corosync	Raid

Virtualisation

VmWare	Lxc	Kvm
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Various

Puppet	Docker	GlusterFS
Graylog	Git	Percona ToolKit

Systems

CentOS	RedHat	Debian
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Languages

French : Native	Arabic : Fluent
English : Fluent	Japanese : Beginner

Education

Management expertise training : Savoir Motiver - Déléguer et Responsabiliser - Manager son équipe
2014 - 2015 EMLYON Business School

Master's Degree in Engineering Level 5 : Organisation et Protection des Systèmes d'Information de l'Entreprise (With honours)
2004 - 2005 Lyon II Lumière University
Cisco Certified Network Engineers (CCNE)

Master's Degree : Master en Informatique Appliqué
2003 - 2004 Science-U University

Three-year university degree : Certificat Supérieur en Informatique Appliqué
2002 - 2003 Science-U University

BTEC Higher National Diploma : BTS Informatique de gestion
2000 - 2002 Science-U University

Interests

- Play with opensource applications,
- Chess,
- Travelling : Travelled all over Asia and Europe,
- Drawing.