Mathieu Chouquet-Stringer

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Objective

Seeking a challenging position as a senior level UNIX Systems Administrator in a dynamic organization that is dedicated to providing quality solutions.

Professional Experience

Natixis *Corporate, and Investment Banking, Investment Solutions, Specialized Financial Services*
Europe Bank of the Year 2010

Paris
France

- **Senior UNIX Systems Administrator / Architect**　　　　　　　　**January 2010 to Present**

  Senior Unix Administrator responsible for supporting, upgrading and maintaining Natixis' UNIX systems: 3,000 servers covering Linux (52%), Solaris (48%)
  - Unix Engineering Team Leader:
    - Deployment of Natixis' First Oracle M9000-64 Sparc Servers
      - M9000 Architecture Understanding (Impacts on Physical Deployment, Internal Tools and Workflows)
      - Setup of All New M9000 Domains
      - Migration Path to Minimize Business Impact During Switch from Natixis' 8 Sun 25k Servers
      - Oracle Solaris Cluster Deployment
      - Understanding of Business Criticality
    - Data Center Migration Protocols and Procedures using SAN Asynchronous Replication
      - Hitachi HDS Universal Replicator (HUR)
      - Migration of Whole Servers or Applications to New Datacenters (1500+ servers migrated)
    - Internal Compliance Tool Creation and Development
      - One Unique Tool
      - Master Servers (Jumpstart / Kickstart)
      - Check / Fix Compliance
      - Database Back-End with Web Reporting Interface
    - Architect
      - Define Standard Hardware and OS Environments
      - Set Common Installation / Patching Procedures (used on Linux, Solaris, AIX)
  - Technical Duties:
    - Linux / Solaris Engineer
    - Responsible of Solaris Jumpstart and Linux Kickstart Infrastructure
      - Patch Management According to Internal Security Guidelines
      - New Releases Deployment
      - Red Hat Satellite / Spacewalk Servers
    - Production Environment Support
    - On Call to Provide Level 3 Support

SGCIB **Société Générale Corporate and Investment Banking**
A Société Générale Company, *Third largest corporate and investment bank in the euro zone by net banking income*

La Défense, Paris
France

- **Senior UNIX Systems Administrator Consultant**　　　　　　　　**July2006 to September 2009**

  Senior Unix Administrator responsible for supporting, upgrading and maintaining SGCIB's Headquarters UNIX systems: 5,000 UNIX servers covering Linux (60%), Solaris (40%), AIX, Tru64, VMS, AS/400 (< 1%)
  - Deputy of the Technical Account Manager for FIC/CAF (Fixed Income, Currency and Commodities/Capital raising and Financing)
  - Technical Duties:
    - Linux / Solaris Engineer
    - Privileged Point of Contact for FIC/CAF Critical Applications
    - Co-Responsible of FIC/CAF 700 Unix Servers, Support other Business Lines UNIX Teams (GEDS, CRS, TSV)

- • Development of Compliance Tools
- • Systems Debugging and Tuning
- Technical Account Manager Backup
- Member of UNIX Systems Security Taskforce
- Co-Responsible of the DNS Infrastructure used by French and Europeans Domains (w/o UK)
  - • New DNS Infrastructure Architecture
  - • Servers Migration to Solaris 10 / Bind 9.4
- UNIX Co-Responsible for M9000-64 Migrations
  - • Move of 15k Chassis
  - • Consolidation of Existing 25k Domains
  - • M9000 Architecture Understanding (Impacts on Internal Tools and Workflows)
  - • Setup of New M9000 Domains Due To Replace Existing 25k Domains
- UNIX Engineer Responsible for Complete Servers Shutdown/Restart During the First Complete Data Center Power Down:
  - • 800 Unix Servers Checked for Configuration Consistency (Boot Parameters, Boot Order, Boot Diagnostics, Remote Console Configuration) As Some Servers Had 1800+ Days of Uptime
  - • Scripting Used to Automate Shutdown And Restart Procedures
  - • All Servers Shut Down and Brought Back Up In 36 Hours
- Responsible to Migrate Critical FIC/CAF Applications to 25k
- Pilot Phase of the Centrify DirectControl Migration:
  - • Centrify Most Complex Environment Migration Ever from NIS to CentrifyDC (Authentication Delegation to Active Directory)

IPsoft, Inc.
An outsourced network and systems infrastructure support company (MSP)

New York, NY
USA

London, UK

- • **Systems Manager**   **June 2004 to February 2006**

  Primary responsibility was to support infrastructure and customers of IPsoft, Inc., a multi-national Managed Service Provider (1,000 plus UNIX servers located in 6 Data Centers; USA: NY, NJ, CA, VA, London UK, and Bangalore India)
  - Technical Duties:
    - • Level 3 and 4 UNIX (Linux, Solaris), SAN, and Network Problem Remediation
    - • System and Process Documentation
    - • UNIX System Baseline Development
    - • Custom Service and System Monitor Development
    - • Debugging of Internal and Customer Applications and Script Code
    - • Systems Performance Debugging and Tuning
    - • Task Delegations and Effort Coordinations of Systems, Network, and Database Administrators located in New York, NY, San Jose, CA, Bangalore India, London UK
    - • RPM Software Package Development
    - • Interface with the customers to plan, develop and execute projects and remediate emergency situations
  - Technical Lead for Cendant's Leadrouter System (an IVR Automated Lead Management System for Real Estate Companies):
    - • Initial Hardware and Software Architecture for Deployment of a pilot group of 7,000 sales associates across 250 offices in the continental USA (PIX Firewalls, Cisco Routers to connect to the PSTN, Bigip F5s, Cisco Switches, Barracuda Spam Firewalls, Linux RHEL 3 Servers running Apache 2.0, MySQL 4.1, PHP 4, and Windows 2003 Server running Voxeo AGS software).
    - • Scaled Architecture to serve more than 2,700 offices and 75,000 sales associates throughout the Cendant real estate brands (Century 21, Coldwell Banker, Coldwell Banker Commercial, ERA, and Sotheby's International Realty and NRT)
    - • Routine System Tasks are automated, Entire System is fully monitored (End to End Monitoring)
  - Technical Lead for Critical Mention's CriticalTV System (a comprehensive web-based television search and monitoring service):
    - • Developed Custom Scripts to Monitor Closed Captioning and Video Acquisition Systems
    - • Designed, Maintained Network and Firewall Policies
  - Technical Lead for 9/11 United Services Group (USG, a consortium of 13 New York City human services organizations working on the front lines of the September 11th recovery efforts):
    - • Maintained September 11th Victim Compensation Fund System composed of AIX/Power Servers running Websphere and Windows 2000 Servers running DB2
    - • Maintained and Corrected Bugs on both Java Web Based Application and DB2 Warehouse Manager
  - Cacti Testing, Tailoring and Installation to monitor 500+ servers collocated in IPsoft's DCs (20,000+ metrics) and 500+ networking devices for Ikon Remote Offices located across North America (USA, Canada)

- Complete Data Center Build Up for Jetix Europe (formerly Fox Kids Europe, a division of Walt Disney Company): Cisco BGP/VPN Routers, Cisco PIX Firewalls, Bigip F5, Clariion Disk array, EMC Switches, Dell/Sun Servers
- Team Member to obtain a SAS 70 certification at company level

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<u>Newview Technologies, Inc.</u> (formerly E-Steel Corporation) New York, NY
A privately owned software company specializing in supply chain solutions for the USA
manufacturing industry.

Hauppauge, NY
USA

- **Senior Unix System Administrator** **January 2002 to May 2004**

  Given sole responsibility for Administering entire non-production (60 servers running Solaris 2.6, 8, 9 and Linux) and Production (30+ servers running Solaris 2.6, 8, 9 and Linux) UNIX environments
  - Senior Administrator responsible for company wide NIS+, NFS, DNS, Mail and Samba Administration
  - Provided technical support (at operating system, software, database and application server level) to developers and users on all environments (Production, Migration, Acceptance, Test, Demo and Development)
  - Built (installed OS and deployed software) servers supporting Production, Migration, Acceptance, Test, Demo and Development environments
  - Heavy scripting to automate day to day tasks (perl, shell script)
  - Designed and implemented web based interface for Sales and Marketing which provided a front end into System, Acceptance and Demo environments
  - Designed, Implemented and Maintained company-wide Legato Networker backup system for all environments (Production, Migration, Acceptance, Test, Development, Demo, Intranet & Internet)
  - Implemented and scaled RAID arrays running Veritas Volume Manager, Disksuite, VxFS
  - Designed and Maintained network wide security policies (Checkpoint FW/1, VPN, Routers, Secure SSH Gateway)
  - Implemented production and development real time server and network monitoring using Unicenter TNG, Nagios, BigBrother, and MRTG
  - Implemented configuration management for software deployment on Development, Test, Acceptance, Migration, Demo and Production servers
  - Setup and maintained web servers (IPlanet/SunOne, Apache) and application servers (Weblogic and Webmethods)
  - Built and maintained a complete remote failover (cold standby) production environment
  - Designed and Executed Seamless migrations of both the Internal and the Production CLASS A Datacenters to new locations. This required disaster recovery planning, staging of equipment, transition phases and final disassembly of the prior locations in the most cost effective manner.
  - On Call 24/7 (pager, cell phone, Blackberry)

- **Unix System Administrator** **October 2000 to December 2001**

  Manage and Administer UNIX servers
  - Name Servers (Bind) Installation and configuration
  - Unix Mail Servers (Sendmail) Setup and Configuration
  - Sudo roll-out configuration and company wide deployment
  - BigBrother, Unicenter TNG, Nagios initial roll-out and setup (24/7 monitoring of all corporate servers)
  - Implemented Automated Error Logging, Security Monitoring and Reporting solutions (LogWatch, Swatch)
  - Servers installation and configuration for all environments: Solaris 2.6 to 8, Linux Red Hat, web servers (IPlanet, Apache), application servers (Weblogic and Webmethods), Oracle
  - Hardware maintenance: Memory, CPU, NIC, SCSI cards, Disk Arrays...
  - Provided Technical Support to end-users
  - On Call 24/7 (pager, cell phone, Blackberry)

<u>CS Experdata</u> Paris, France
- **Network Engineer** **October 1999**
  - Installed, maintained the network and supported exhibitors at the Networld+Interop 99 show, Atlanta/Paris
  - Fiber, Ethernet, VoIP, ATM, and Wireless

<u>Air France</u> Roissy – Charles de Gaulle, France
- **Runway Surveyor for Concorde** **October 1998 to December 1998**

  Main Responsibility was to set up field testing, to deploy and to implement DGPS Equipment to establish in collaboration with EADS impact of runway profiles on Concorde's Maximum Take-Off Weight and remaining cycles and to Create End User Oriented Manual and Procedures
  - Tested and Implemented high precision DGPS Devices by Leica (GPS – System 300: centimetric resolution on almost all 3 axes) on different international airports served by Concorde across Europe, Africa, Central and South America
  - Wrote End User Oriented Manual and FAQ, and Informational Document sent beforehand to surveyed airports

- Developed a Windows Preview Program to Validate Data Acquisition on the Field

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Education and Training

- **SUN**, Paris, France   2006
  Solaris 10 Training (ZFS, Zones, SVCS)

- **Stevens Institute of Technology**, Hoboken, NJ, USA   2000 - 2001
  Master of Science in Information Systems (MSIS)
  Concentration in Computer Science

- **EPITA**, Paris, France (School of Computer Science and Advanced Technologies)   1995 - 2000
  Computer Science Engineer (equivalent to Masters Degree)
  Concentration in Systems, Networks and Security

Technical Skills

Operating Systems
Expert in: Linux, 15 years of experience using Red Hat Enterprise Linux (5 & 6)
Solaris, 12 years of experience (with version 2.5, 2.6, 8, 9 and 10)
Skilled in: VMWare ESX

Networking
Expert in: TCP/IP, IPSEC, Network troubleshooting, Lan Analysis, DHCP, Samba
Skilled in: VoIP

Security
Expert in: Advanced knowledge of Unix security (Solaris Zones, SElinux, Linux KVM)
Skilled in: Linux Firewall (iptables), VPN (IPSEC)

Software
Expert in: Hitachi Truecopy/HUR Stack, Veritas Storage Foundation 5, Apache 2.x, DNS (Bind 9),
NFS, Jumpstart and Kickstart Installations, MySQL 5
Skilled in: Sendmail, DTrace, Oracle Solaris Cluster, Veritas Cluster Server, Configuration
Management: Software Deployment to Different Environments (Development,
Acceptance, Test, Migration, Production)
Familiar with: Oracle (8, 9i, 10g), Sybase ASE/IQ, SQL, LDAP

Monitoring
Expert in: Nagios (Netsaint), Cacti, MRTG, Orca, rrdtool, MRTG, SNMP, BigBrother
Skilled in: Unicenter TNG

Programming
Expert in: C, Shell Scripting, Perl, Awk, PHP
Skilled in: git, svn
Familiar with: Python, Tcl, Expect, C++, Java

Hardware
Expert in: Oracle Sparc Servers (M3000/4000/5000/9000 series, T-1/2/3/4 Series), All forms of
Intel/AMD (x86/x86-64) compatible hardware (Dell, Sun, IBM, Compaq)

Other

- Fluent in French
- 6 years of International Experience in the USA
- Understanding of European, American, and Indian business cultures and comfortable in any global environment
- Developer for the following aeronautic websites: http://www.aviation-fr.info, http://www.foxalpha.com