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**Nationality** Danish  
**Languages** Danish  
Swedish & Norwegian - fluent  
English - fluent  
German - intermediate+  
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## Technical Skills

### Systems:

Expert on Sun Solaris 2.3, 2.4, 2.5.1, 2.6, 7, 8, 9 and 10 incl. security & performance tuning.  
Proficient ability with HP-UX 10.20 and 11.0, Linux, IRIX 6.x, Supermax SVR3 / SVR4.2, AIX 4.x and Windows NT 4 & XP.

### Platforms:

Expert on most Sun workstations & servers such as Ultra 2, E250/E450, Netra 1405 through Sun Fire V240/280R, V480, V880, V890, Enterprise 3000-6500 and a wide range of other Sun equipment.  
Proficient with Sun Fire 3800, SGI O2, Supermax, some systems in the IBM RS6000 and HP 9000 series.  
Storage includes Sun StorEdge T3, 3510FC, 3310, A3500, A5x00, D1000, L3500 Library, NetApp Filers, ATL P3000 and Sun SSA's. Some Hitachi 99xx/USP and Brocade switch experience.

### Software:

Sun Cluster 2.2, 3.0 & 3.1, Sun RAID Manager, Solaris Volume Manager / Disk Suite, Solstice Backup, SunRay 1.2 - 2.0, JASS Toolkit, Jumpstart, Sun CST, Sun Management Center, Sun Java Enterprise System Sun ONE/ Directory Server, Sun ONE Messaging Server, Sun ONE Calendar Server, Sun N1 System Manager & Service Provisioning System, Traffic Light Patching (TLP), TSM Legato NetWorker, sendmail, Firewall-1, Apache HTTP Server, Veritas Volume Manager & NetBackup, PVCS, Oracle RDBMS 6, 7, 8i & 9i, Sybase ASE 11.x, MySQL, HP OpenView/ITO, Halcyon PrimeAlert.

### Networking:

In-depth understanding of the TCP/IP suite. Security, DMZ, Ethernet, TokenRing, ISDN, SMTP-Auth, SMTP, NFS, NIS, HTTP, ATM, Samba, DNS, BIND 4, 8 & 9, POP3, FTP, SSH, PPP, NTP, IP-Filter, IMAP, SSL, TLS, SMPP, SS7, IDS, Cisco switches/routers, Extreme switches, ExtremeWare 6.x & 7.x.

### Programming/scripting languages:

Proficient in C, Perl, UNIX Korn & Bourne Shell scripting, HTML, PHP, Pascal.  
Experienced with C++, Java, SQL, x86-asm.

## Certification

UNIX Admin Solaris 9 MASTER (Brainbench.com, transcript ID: 77093)  
UNIX Admin Solaris 8 (Brainbench.com, transcript ID: 77093)  
UNIX Admin Solaris, MASTER (Brainbench.com, transcript ID: 77093)  
Linux Administrator (Brainbench.com, transcript ID: 77093)  
Internet Security Specialist (Brainbench.com, transcript ID: 77093)

## Education

9/94 - 5/95, Computer Science - Roskilde Business College  
Equivalent to BSc CS.

8/92 - 6/94, Information Technology - Roskilde Business College

## Training

Hitachi CCI course, Apr 2008  
*i-mode* Basic Operation, Jul 2005  
SAN Fundamentals, Jan 2003  
Sun Cluster 3.0 Administration, Jan 2003  
Solaris 8 Operating Environment Essentials, Mar 2001  
PVCS Administration, Oct 2000  
Oracle7 Database Administration #1, May 1998  
DDE Supermax - Advanced Server for Unix, Mar 1998  
DDE Supermax - Unix SVR 4.2 Administration #2, Nov 1997  
DDE Supermax - Unix SVR 4.2 Administration #1, Oct 1997  
The TCP/IP Protocol Suite, Oct 1997  
Firewalls & Internet Security, Sep 1997  
Silicon Graphics (SGI) IRIX System Administration, Sep 1997  
Quality Management (ISO 900x), Sep 1997  
Microsoft Windows NT 4.0 Core Technologies, Jan 1997  
Microsoft Windows NT for Network Administrators, May 1996  
Concorde XAL Report Generator, Feb 1996

## Employment

### **Nov/06 – Nov/06, Consultant** **Various, see below**

PBS: Develop a configurable security log scanner and filter for AIX servers.  
Berlingske Tidende IT: Assist as Sun Cluster and Solaris expert during the relocation of two production Sun Cluster 2.2 environments

### **Nov/06 – Dec/06, Senior Solaris Consultant** **Talk|Active Nakskov, Denmark**

Design, build and configure a domain, mail and calendar hosting system based on Java System Enterprise Suite 2005Q4: Directory Server, Access Manager, Delegated Administrator, Portal Server, Web Server, Messaging Server, Calendar Server and Messenger/Communications Express. The components were segregated on SF T2000 servers using Solaris 10 Zones on ZFS.

### **Nov/06 – Aug/08, Senior Consultant** **IBM, Copenhagen, Denmark**

Assigned to a project upgrading SF E25k production domains to Solaris 9 9/05 using Live Upgrade.  
Build SF V120 applications server utilizing Solaris 10 and WebLogic.  
Sole responsible for LAN-free/serverless backup of 12 Oracle 9i databases and upwards of 60-80TB of data residing on HDS SAN (Shadow Image, True Copy, CCI), primarily using VxVM, Oracle RMAN, Tivoli Stora Manager and own scripts. Expand system to work with Solaris Volume Manager, Oracle 10g features, and various requests set by customers. Ongoing SAN & Solaris performance tuning, mentor new employees. Servers primarily used were SF880, V1280, E25k domains and T5240.

### **Feb/06 – Aug/06, Senior Consultant** **IBM SDC-DK, Copenhagen, Denmark**

The UNIX team which I was assigned to maintain all systems out-sourced to IBM; I was involved with roughly 400 Sun systems belonging to Mærsk Line, comprised of SF E15K, E25K, SF480/490 and V1280's to name just a few. Systems were on Solaris 8 and 9 running mainly WebSphere MQ, BEA Tuxedo, BEA WebLogic and most with VxVM & SAN. While there I was tasked with developing a modularised Automated Operational Acceptance Test system in Perl as well as automating the roll-out upgrade of Explorer on all Sun systems. Evaluated Sun Fire T2000 systems.

**Nov/05 – Nov/05, Data Center Technical Consultant**  
**Sun Microsystems & British Telecom, London, UK**

Two-day contract to complete AIS2 testing on a number of Sun Fire V480R servers, some with Sun Cluster, Oracle and SAN attached.

**Oct/05 – Dec/05, Consultant**  
**<undisclosed>, Copenhagen, Denmark**

Solaris 10 on Sun Fire V1280 & V240 servers, setup Sun ONE Directory Server 5.2 in multi-master mode using Zone technology on E6900 with two domains, demonstration of ZFS in Solaris 11 build 27 (Zettabyte File System), create new jumpstart server using Sun Jumpstart Enterprise Toolkit (JET). Installation and configuration of Messaging Server 6.2 for testing and evaluation purposes.

**Jun/05 – Oct/05, Senior System Architect**  
**O2 Wireless, Dublin, Ireland**

Technical architect and interface between O2 and NEC on design and implementation issues with the NEC *i*-mode platform, using VxVM, NetBackup 5.x, Sun Cluster 3.0/3.1, SunONE Directory Server 5.2, SunONE Messaging Server 5.2 and SunMC on V240/V480 with Solaris 8, StorEdge L25 & StorEdge 3310. Lead architect on an already partially designed multi-site fully redundant credit card 'wallet' project, primarily on SunFire V40z and SunFire V890 with Solaris 10, SunONE Portal Server, Apache HTTP Server, Oracle 10g and Macalla Wallet software. Both platforms were designed with a 1.5 million subscriber base in mind across all of Ireland. Gained experience with Solaris 10 features such as zones, resource management and SMF.

**Jul/04 – Mar/05, Senior Systems Integration Consultant**  
**LM Ericsson, Dublin, Ireland**

Worked on-site one of the worlds top 3 largest telecoms for 4 months throughout the United States installing and expanding fully redundant/HA Messaging over IP platforms which are based on Solaris 8, SunFire V240 servers, Sun Cluster 3.1, StorEdge 3510FC and Extreme Alpine 3800 series switches. Other components used were iPlanet Directory Server, iPlanet Messaging Server and Ericsson IP Telephony gateways. Acted as team leader on some projects. Developed, coordinated and executed initial Sun Cluster expansions with minimal downtime. Streamlined installs by automating procedures. Wrote Sun Cluster & iPlanet Message Store install and training material for co-workers. Certified the clusters in cooperation with Sun Microsystems consultants. Some exposure to Cisco AS5400 with PRI interfaces, Cisco SS7 gateway and GNU gatekeeper.

**Oct/03 – Jul/04, Senior Systems Engineer**  
**LogicaCMG B.V., Enschede, Holland**

Primarily worked at customer sites in Europe and the United States installing and troubleshooting a Wireless Service Broker for mobile phone networks which handles WAP traffic. The majority of systems were deployed using either Sun Cluster 2.2 or Veritas Cluster 3.5 on SunFire V120/V240 and 4800 servers using StorEdge 3310, Cisco 2900 switches, C2600 routers and PIX firewalls. Technologies worked with are, amongst many, Tru64 v4.0F, TruCluster, Solaris 8, WSB, MMSC, WAP, SMS, MMS, GPRS, (W)TLS, low-level TCP/IP debugging.

**May/03 – Jun/03, Senior UNIX Consultant**  
**Assignment through Viage GmbH at End2End Mobile, Denmark**

Single point of contact for support work on HP-UX 11.00 servers involving LVM, Apache and shell scripting in DMZ environments. Oracle 8i and 9i monitoring and DBA tasks. Installed, configured and secured Sun Netra 1400 servers with Solaris 8. Wrote a Sun Solaris security guide to clarify security issues and help during installs, this was based around the Sun JASS toolkit.

**Aug/02 – Dec/04, Senior UNIX Consultant, Professional Services  
Viage GmbH, München, Germany**

Viage GmbH was owned and run by myself and four partners, during the duration of the company I worked on various client projects, some of which are mentioned below. We implemented standards and procedures on how to conduct business and work on client systems.

As a consultant for Professional Services I was involved in various projects for large international organizations and blue chips. Implemented SunRay 1.3, and later upgraded to a 2.0 failover environment. Designed, installed and monitored SAN-like Veritas NetBackup and Legato Networker backup solutions. Built Solaris 9 based minimal-install firewalls & proxies.

Installed and monitored Sun Cluster 3.0 with Oracle 8i and Apache on SunFire 280R and SunFire 3800, wrote best practice install guide for Sun Cluster 3.0 and several data services. Custom built customer specific data services for Sun Cluster. Used Veritas Volume Manager 3.2 and Solstice DiskSuite 4.2.1 extensively on storage systems for the cluster nodes. Worked with iPlanet/SunONE Enterprise web and calendar server.

**Nov/01 - Jul/02, Senior Systems Administrator, ISP Services  
KabelNRW / Ish GmbH, Köln, Germany**

Analyzed current backup infrastructure, designed and implemented new solution using Veritas NetBackup, NDMP & a SAN-enabled ATL P3000 library, NetApp Filers and a PHP/web based reporting and statistics and monitoring front-end.

Installed and customized a new Jumpstart server using the JASS toolkit to enable fast deployment of fully configured SunFire 280R servers in a disaster recovery situation. Converted backend to a NIS+ environment to ease management and usability. Several systems were reinstalled to achieve better performance and enhance the security, including the SunFire 3800 Oracle servers.

Secured all Solaris systems using the JASS toolkit and well-known security standards such as ssh, tripwire and IP filter. Worked on network, server and workstation security projects. Project-managed the night and day shifts consisting of 10 people.

**Dec/00 - Oct/01, Senior Systems Administrator, Sun PS IT-Ops EMEA  
Sun Microsystems, Frankfurt, Germany**

On-site systems administrator for Sun IT Operations in Langen. Responsible for local administration of approximately 200 workstations and several servers in the regional NIS environment. Analyzed, designed and implemented the new SunRay based flexible office for the Sun Frankfurt office and started initial planning for Heidelberg. Decommissioned the Darmstadt office infrastructure and implemented the necessary changes in Frankfurt for them to merge. Site-owner for Langen, Heidelberg, Darmstadt and Bonn offices. Assisted general team with day to day management of servers at Sun locations throughout Germany, Austria and Switzerland, approximately 100 servers and 3000 workstations. Planned, configured and installed Sun Cluster 3.0 servers in the requirements and analysis phase. Hardware ranges from SS10's to E6500's, L3500 libraries and A5x00 storage systems. Backup using Veritas NetBackup and Legato Networker.

**Apr/00 - Dec/00, Senior UNIX Systems Manager (IS EMEA)  
Merck Sharp & Dohme Europe Inc., Brussels, Belgium**

Responsible for Sun Solaris servers on-site in Brussels, Paris and HP-UX in Munich. Shared with the HP-UX team to manage HP-UX servers in Europe, Middle East and Africa, plus some in Asia. Lead Systems Administrator for the CPC development team. Worked on E450 and E3500 systems, extensive experience with VxVM on local disks as well as SSA systems. 75% of the systems are in production, most with Oracle or Sybase databases. Configured secure tunnels between sites, secured all Solaris systems and some HP-UX.

**Aug/99 - Apr/00, Senior UNIX Systems Engineer at Tele Danmark Internet  
Business East. Copenhagen, Denmark**

Facility Management of high availability web and database servers including the Danish Yellow Pages. Design and implementation of a site-wide system management/monitoring tools. Worked on various projects for customers such as the Danish military, TeleDanmark Mobile. Did entry-level project management. Worked mostly with Solaris 2.6 and 7 on the whole range of Sun servers. Some exposure to Cisco IOS. Co-designed current and new infrastructure. Designed several security systems for various customers and projects. Most systems were in DMZ's using Cisco routers or Checkpoint 1 FW.

**Dec/98 - Jul/99, UNIX Systems Engineer at SIEP, The Netherlands  
Shell International Exploration and Production B.V.**

Part of the UNIX management team responsible for the running of 200 Sun, 200 IBM and 100 SGI UNIX systems. Focal point for the roll-out of Solaris 2.6 and Solaris 7. Backup on StorageTek tape libraries, worked with AFS and mass storage of up to 1TB per node. Test and implementation of ATM on Sun servers. Automation of daily tasks using Perl, ksh and C. Performance monitoring and tuning of Sun workstations and servers. Test and implementation of 500GB-1TB Sun StorEdge arrays using Sun RAID Manager, DiskSuite and Veritas VxFS. Upgraded central UNIX printing environment.

**Sep/98 - Dec/98, UNIX Systems Engineer at Shell Services International B.V.  
UNIX Support for Europe and Africa based in The Netherlands.**

Initial roll-out of an Enterprise Security Management system on Solaris, Solaris, AIX & HP-UX servers in a high-availability production environment. All-round UNIX support on above mentioned platforms. AIX upgrades to solve Y2K problems. Secondary security focal point for the department. Serviced approximately 80 servers.

**Sep/97 - Sep/98 Senior Systems Administrator, Dansk Data Elektronik A/S  
Apr/97 - Sep/97, Jr. & Sr. UNIX System Administrator at Cybernet ApS  
May/96 - Apr/97, PC Consultant at Robert Bosch A/S  
Jan/96 - Apr/96, IT-Coordinator at Elpefa A/S**

Freelance work experience prior to Sep 1996 include companies such as VestNet ApS, Net Creation I/S, Anex Communications and Netcetera ApS. A detailed CV can be made available upon request.