

Morten Liebach

Curriculum Vitae

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I work with DevOps, Security, automation and general system administration. My experience includes the full stack involved in running internet services, backup, firewalls, security, managing server rooms, contact with upstream internet providers and occasional programming.

I have broad experience with UNIX in general, Linux & BSD in particular, and am truly at home on the commandline and when weaving services and applications together for maximum effect.

I have a keen interest in secure and robust systems, and that includes the system being documented, well maintained and maintainable, keeping it secure and functional.

Skills

- Operating Systems** Everything UNIX; Linux (Ubuntu, Debian, CentOS, RedHat & NixOS), OpenBSD, FreeBSD, Solaris and HP-UX. I particularly love OpenBSD.
- Virtualisation** VMware, KVM, Hyper-V, a bit of Solaris Zones and FreeBSD Jails
- Programming** Shell scripting, Python, Perl, Ruby. Some C, C++, C# and Java. And Ansible. Generally I can make sense of what's going on in all common languages.
- Organisation** I have experience from companies between 20 and 20000 employees. My preference is for working in a small tight knit team.
- Protocols** HTTP, TCP/IP, SMTP, DNS, TLS, SSL etc. I generally know what I need, and if I don't, I learn quickly.

Experience

Vocational

- 2021– **DevOps Consultant**, Himmerland.
Working as an independent consultant, again.
- 2019–2021 **Senior Consultant**, *Netic*, Aalborg.
 - Deploying and running a big part of the Danish healthcare backbone on Ubuntu/VMware
 - Doing as much as possible with Ansible and AWX
 - Ubuntu OS release upgrades, particularly handling all the things that breaks in an upgrade

- 2017–2019 **Consultant**, *Liebach Consulting*, Jebjerg.
Independent consultant doing Linux & DevOps consulting.
- Merging git branches in a several 100.000 LOC Java project
 - Coordinating and getting releases built
 - Writing instructions for deployment
 - Assisting the hosting partner with deployment troubleshooting
- 2015–2017 **Systems Engineer Specialist**, *Grundfos*, Bjerringbro.
Running mostly Java apps on Linux.
- CentOS servers with everything done through Ansible
 - Primarily focused on Adobe AEM, with some WebSphere & JBoss
- 2014–2015 **Teacher Assistant**, *Bjerregrav Skole*, Randers.
Obligatory “activation” in Randers county, when unemployed. Helping with all physical education from 1st to 9th grade, and also some math, biology and geography classes. Not by choice.
- 2012–2013 **System Administrator**, *PIL.dk*, Aarhus.
Working on both the QuickPay payment gateway and the hosting business.
- FreeBSD and Ubuntu servers, managed by the in-house developed PEPSI tool
 - Mercurial and git/GitHub for source code management
 - Development of an MPI (part of 3D Secure) implementation in the Padrino ruby framework
- 2010–2012 **System Administrator**, *DanDomain A/S*, Randers.
- Responsible for Ubuntu Linux servers
 - LVS load balancing and Vyatta firewall appliances
 - Switch updates and configuration, datacenter maintenance
 - Backup, especially scripted database backups
 - Data Custodian on PAY.DanDomain.dk payment gateway
 - Windows maintenance and configuration
 - 2nd & 3rd level support
- 2010 **System Administrator**, *24-7 Entertainment*, Copenhagen.
24-7 Entertainment whitelabel music shops and streaming services for customers.
- Primary responsible sysadmin for the Linux servers (CentOS, RedHat)
 - Ran Tomcat with Oracle backends for frontend applications
 - Working with 10 Gbit connections, VLANs and trunked/bonded interfaces
 - Handling SSL certificates on Juniper firewalls & load balancers
 - Set up Active Directory authentication for all Linux servers
- 2009 **System Manager**, *Preview Networks*, Copenhagen.
Preview Networks helps film distributors with promotion, and makes it easy for website owners to feature trailers.
- The only system administrator, and as such I did a little of everything regarding
 - Maintained a FreeBSD and Apache/PHP/PostgreSQL based setup
 - Restructuring the network
 - End user support and administration in the office

- 2004–2009 **System Administrator**, TELMORE A/S, Taastrup.
TELMORE is a virtual mobile network operator.
- Maintained and built infrastructure based on FreeBSD, Solaris 10, J2EE and Jboss with an Oracle backend running on HP-UX 11i
 - Designed and built the Linux-HA and Irdirectord based HA/load balancing setup for *www.telmore.dk*
 - Primary maintainer of the HP ProCurve switch configurations, IPFW and pf firewall configurations and Rancid backup system
 - VPN on Cisco ASA 5500 appliances
 - NetBackup on HP-UX and FreeBSD
 - HP EVA-5000 SAN, Fiber storage network, HP PA-RISC servers
 - Renewal and installation of SSL certificates
 - Administrator for the company Digital Signature LRA-certificates
- 2003–2005 **Coord Team Member**, *Linuxforum*, Copenhagen.
Was one of the members of the *coord team* organizing the old Linuxforum conference, now renamed Open Source Days.

Education

- 2014 **NLP Business Practitioner**, *RM Academy (Kristjan Lange)*, Aarhus.
A business focused NLP Practitioner course with certification, focused on coaching and management.
- Working with relations, thoughts and emotions
 - Motivate self and others
- 2004 **Java XML Developer**, *ITA (now 4Mat)*, Copenhagen.
Stopped the course when I was hired by TELMORE
- Business understanding and project management
 - Architecture and design
 - Professional Java
 - XML with Java
 - Data security and encryption
- 2003–2004 **Microsoft .NET developer course**, *SoftAdvice*, Copenhagen.
- Project Management and control
 - Using UML, Unified Process and Design Patterns
 - The latest ideas, concepts and products from Microsoft; Visual Studio .NET, C# and others
 - Use of MS-SQL (MSDE) and MySQL backends
- 2002–2003 **First Semester as “Datamatiker” courses**, *Niels Brock*, Copenhagen.
“Basic Programming in C++” and the first part of “System Development”.
- 1998–2001 **Lab Technician**, *Laborantskolen Århus*, Aarhus.
Trainee at Fødevareregion Århus.
- Concentrated project based teamwork and exams
 - Data collection, analysis and report writing in Microsoft Office
 - Quality Control and statistical control of results
 - Documentation of procedures and methods

Pre-1998

- 1994–1998 Math/Physics at Aarhus University *Passed no exams, mostly had various jobs and upgraded my HF exam*
- 1992–1994 HF Exam *At Thisted Gymnasium*
- 1991–1992 Firefighter *Training while in the service at Nordjyske CF Kolonne*
- 1988–1991 Trained Forest Worker *EFG Jordbrug, Aalborg/Skovskolen, Nøddebo/Dronninglund Storskov*

Languages

Danish Mother tongue

English Fluent

I have worked in English in several jobs

Interests

2017–2019 **Coach & Founder, tri+.**

A hobby business providing triathlon coaching and related activities.

2017 **IRONMAN Certified Coach, IRONMAN University.**

The program offers a unique learning system where you are educated through a wide array of interactive exercises designed to reinforce, retain and apply coaching skills and techniques.

2012– **Triathlon Coach, Randers Freja Triathlon.**

Swim coaching and occasional talks, individual help to club members.

2012– **Triathlon Coach Education, DIF & The Danish Triathlon Federation.**

Have done Coach level 1 and level 2. Both consist of a general DIF part, and then a triathlon specific part.

1992– **Triathlon.**

Got the triathlon bug as a 21 year old, and have been a triathlete ever since. I did forget to train for 8 years (1997–2005) but otherwise I've kept myself reasonably fit, doing 6 Ironman distance races in the process, plus a lot of shorter races. It's my relaxation.