Jesper Nyerup

Summary

Empathic leader and people manager, with integrity, strong technical background, and a talent for getting stuff to work.

Focus on team development through cultural cohesiveness, sensible direction, and building on individual strengths.

Background as unix architect and technician, specializing in low level infrastructure, networking, virtualization, deployment automation, configuration management, continuous integration, and telemetry.

Personal data

Full name	Jesper Dahl Nyerup.	**Email**	<jesper@dahlnyerup.dk>
Address	Kratvej 43	**Date of birth**	March 26, 1982.
	2760 Måløv	**Civil status**	Married to Anette.
	Denmark		Father of Maise (b. 2006),
Phone	(+45) 2818 2024		Laura (b. 2008), and Elliot (b. 2012).

Experience

2017–   **Infrastructure Team Lead**, *Unity*, Copenhagen.

Unity's *Core Developer Services (CDS)* group oversee, develop, and maintain developer tooling and services catering the worldwide R&D vertical, mainly working on the Unity Engine and Editor.

During my tenure in CDS so far, the group has expanded significantly, requiring efforts around scaling processes, renewing rituals, and ensuring and cultivating team cohesiveness. I have been heading up a few different constellations and initiatives, including:

The *Build Farm* team, working on:

- Maintaining and developing an in-house built **CI product**, running >10,000 builds per day.
- **Automating builds and tests** of the Unity Engine on a multitude of different OSes, devices, consoles and portable terminals.
- Migrating the group's **cloud footprint** from AWS to GCP, as part of Unity's strategic partnership with Google.
- Automating builds of different types of **CI worker images**.
- Handling artifacts and the mechanics around **publishing** new public and restricted versions of Unity's software.

The *Source Control (VCS)* team, working on:

- **Version control** of large code bases – millions of LOC, including NDA code from many different partners, hundreds of thousands of revisions in tens of thousands of branches.
- Tooling, automation, execution and stakeholder management around **converting** these code bases from one VCS to another.
- **Automated delivery** of curated source code snapshots to partners.

2016–2017 **Systems Engineer – Base Team Tech Lead**, *One.com*, Copenhagen.

The *Base* team in One.com manages the server infrastructure powering anything from in-house developed web applications to our customers' web sites. This includes:

- Automation of **OS deployment** and integration with hardware from different vendors.
- Tailored use of **container technology**, for OS or application encapsulation.
- **Configuration management** spanning different OSes and environments.
- **Telemetry**, visualization, ingestion and storage of >100,000 time series data points per second.
- **Monitoring**, health checking thousands of servers.
- **Logging**, transporting >30,000 documents per second, flow monitoring, indexing in Elastic, storage in Hadoop.
- **VCS**, workflow, test, release and distribution management of software packages and configuration management artifacts.
- **Central storage** installations, both block and NAS solutions from different vendors.
- Different **facility** and **networking services**, DNS, SMTP, NTP, BGP, firewalling, etc.

2012–2016 **Systems Engineer**, *One.com*, Copenhagen.

Architectural development and deployment, mainly on GNU/Linux systems. Product development, and end-to-end responsibility for a number of subsystems. Participation in operational watch rotation, supporting offshore operations department.
Highlights:

- Implementation of **new container infrastructure** based on Libvirt and Linux Containers.
- **New customer product**: SSH and SFTP access to web space data in an isolated, private environment.
- Introduction of Chef **configuration management** setup, replacing multiple instances of Puppet and CFEngine.
- Deployment of PB-size **Ceph clusters**.

2008–2012 **Systems Administrator**, *One.com*, Copenhagen.

Operational administration and deployment of various internet services running on GNU/Linux systems in a homogeneous production environment. Managing NAS installations. Data center facility management. Participation in operational watch rotation.
Highlights:

- **Storage virtualization** of some hundred TB user data onto HDS storage installations comprising HNAS, AMS and VSP systems.
- Integration and deployment of Linux VServer based **virtualization platform** on diskless, stateless host nodes booting from nightly built images.
- Expansion from two to five **data center** facilities.

2007–2008 **Student worker**, *Armada Hosting (now Solido Hosting, part of Sentia)*, Århus.

System administration of GNU/Linux, BSD and Windows servers in a heterogeneous production environment. Tech support. Participation in operational watch rotation.

Education

2006–2008 **Advanced Computer Studies, Diploma Programme**.
Datamatiker AK.
CEUS, Nykøbing F.
Courses in Computer Science, Software Design, Security, Operating Systems, Network Architecture, etc.

1998–2001 **Technical college**.
Højere Teknisk Eksamen (HTX).
Erhvervsskolen Hamlet, Hillerød.
Not completed.

1988–1998 **Danish primary school**.
Folkeskole.
Toftehøjskolen, Ølstykke.
Svanholmskolen, Ølstykke.

Voluntary positions

2017– **Rainbow scout**, *Regnbuespejder*, Det Danske Spejderkorps.
Helping young people to reflect on gender identity and sexuality. Trying to make sure there's room for anyone, that everyone can be who they are, and love who they want.

2014– **Scout leader, board member**, *Kong Svend Gruppe*, Det Danske Spejderkorps.
Teaching bushcraft, science, culture, leadership and independence to children aged 8-10.

2009–2011 **Board member, treasurer**, *Skåne-Sjælland Linux User Group*.
Once the world's largest Linux User Group, SSLUG has played an active part in facilitating an active Linux and Open Source community in Denmark and Southern Sweden for more than 20 years.