

# THOMAS JANSSON

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## PERSONAL SUMMARY

Thomas R. N. Jansson  
Copenhagen, Denmark  
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Technical blog: [tjansson.dk](http://tjansson.dk)  
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My key strengths lie in the combination of deep technical understanding and interpersonal skills allowing me to efficiently communicate results and ideas to technical as well as non-technical audiences. My open extrovert mindset and inquisitive personality were formed through almost a decade as a customer-faced consultant and later through internal stakeholder management, mentoring and leadership. My key responsibilities in my recent roles have covered:

- Building, managing, and developing a team of highly skilled data scientists/engineers
- Developing data and analytics strategy focusing on tangible impact
- Cross-disciplined communication with clients, product teams and decision-makers
- Public speaking at conferences, universities and technical meet-ups
- Design and building of pipelines processing large amount of IoT data
- Hands-on data-analysis, ML, modeling, mining and processing pipelines in python
- Building and maintaining data quality and model monitoring infrastructure as dashboards or bespoke automated reports
- Leading sales of anonymized and GDPR compliant data and insights

## SELECTED JOB EXPERIENCES

- 2021 Nov** → Director of Data and Analytics at [Connected Cars](#) managing the data science/engineering team, leading the commercial sales of anonymized data and insights, ensuring standards and GDPR compliance and general development in the tech operations and organization.
- 2020** → External examiner (censor) or supervisor on master theses at [Technical University of Denmark](#) (DTU) focused on applied machine learning in transportation/IoT.
- 2019 May** → **2021 Nov** Head of Data Science at [Connected Cars](#) managing and leading a team of data scientists in exploring, modeling, processing and analyzing large amounts of car sensor data. The team handles the complete flow from idea to production with unit/integration tests, database migrations, integration to external sources and exposure to stakeholders through APIs, dashboards, etc.
- 2018 Jun** → **2019 Apr** Senior Data Scientist at [Connected Cars](#).
- 2018 Jan** → **2018 Jun** Data Scientist at [Maersk Tankers](#) with primary roles in developing prototypes, optimizations, visualizations of tanker shipping data.
- 2013 Feb** → **2018 Jan** Senior consulting geophysicist at [Qeye Labs](#) with roles as project manager, python developer of new technologies and Linux system administrator. All software was developed in-house.
- 2009 Apr** → **2013 Feb** Geophysicist in [Schlumberger's](#) Data & Consulting Services, the world's largest oilfield services company. Additionally, I also served as a systems administrator for 40+ Linux servers in three countries.
- 2006 Aug** → **2009 Feb** Unix system administrator at the Geological Institute, [University of Copenhagen](#). Administrated Linux and Solaris servers and a Linux cluster.
- 2006 Jan** → **2009 Dec** Owner and developer of the consulting IT company: [Thomas Jansson IT](#). Focused on system administration, scientific and web programming.

SELECTED  
PUBLICATIONS,  
CONFERENCE  
CONTRIBUTIONS  
OR  
PUBLIC TALKS

K. Milia, M. D. Hedegran, T. R. N. Jansson, F. Rodrigues, C. L. Azevedo, **Forecasting Parking Search Times Using Big Data**. Proceedings of the 12th International Scientific Conference on Mobility and Transport. [doi.org/10.1007/978-981-19-8361-0\\_12](https://doi.org/10.1007/978-981-19-8361-0_12), 2023-Feb

J. Olesen, T. Jansson, **Køretøjsdata før, nu og i fremtiden**, Trafik og Veje, 2023-Jan

T. R. N. Jansson, **Storytelling with data**, PyData CPH, [Youtube link](#), 2022-Dec

T. R. N. Jansson, et al., **EVO Nordics 296 - Data visualisation for business**, Spotify, 2022-Oct

T. R. N. Jansson, **Demand-driven Approaches for Cites of Tomorrow; Opportunities and Barriers**, DOLL Living Lab, panel member, Copenhagen, 2022-Jun

T. R. N. Jansson, **Applied python in car and weather data models**, DTU wind (Risø), invited speaker, Copenhagen, 2020-Nov

T. R. N. Jansson, **Visualizing Geospatial Data in Python**, PyData CPH, 2020-Feb

T. R. N. Jansson, **Big data & mobility insights**, Invited speaker to DTU High Tech Summit, Copenhagen, 2019-Oct

T. R. N. Jansson, **Keynote: Creating data driven workshop loyalty**, Caruso partner connect, Cologne, 2019-Jun

T. R. N. Jansson, **Monte Carlo methods in the industry**, DTU physics guest lecture, Copenhagen, 2019-Mar

T. R. N. Jansson, **Using a sledgehammer to crack a nut: A machine learning model to sell my car**, DataTech Pro - [goo.gl/ffFudK](https://goo.gl/ffFudK), 2018-Nov

T. R. N. Jansson, et al., **Uncertainty estimates on prestack inversion for a Central North Sea sandstone injectite field**, Geoconvention, Calgary, 2015

T. R. N. Jansson, et al., **Polygons on a Rotating Fluid Surface**, Physical Review Letters **96** 174502 - [doi.org/10.1103/PhysRevLett.96.174502](https://doi.org/10.1103/PhysRevLett.96.174502), 2006

EDUCATION

**2008** Masters degree in geophysics from the University of Copenhagen.

**2006** Bachelor degree in physics from the University of Copenhagen.

IT SKILLS

**Development** Python developer since 2006 using all the classic tools such as pandas, numpy, scikit-learn, seaborn, flask etc, for both exploration and systems administration/integrations. Daily user of Git, vim and SQL, but also quite experienced with  $\text{\LaTeX}$ , bash, tcsh, fortran etc. I have managed many different on-premise Linux systems, but in the later years most of this has been done on cloud platforms.

**System administration** Linux user since 2001 and certified Red Hat Linux Engineer (RHCE). Professionally managed 40+ RHEL servers in three countries, managed and installed Linux clusters, NetApp filers and Sun Solaris servers. Windows and OS X at power user level.

SELECTED  
COURSES

**2018, Copenhagen** Certified ScrumMaster.

**2012, Paris** Schlumberger: Managing and leading your people (OFS3).

**2011, Oslo** Red Hat Linux Certified Engineer Rapid Course for senior Linux system administrators. RHCSA and RHCE for RHEL 6.

**2009** → **2012** Numerous courses on technology and management for Schlumberger in Houston, Arkansas, Paris, London, Stavanger, Oslo, etc.

SELECTED  
EXTRA  
ACTIVITIES

- 2016** Completed the Cologne marathon in Germany.
- 2007** → [kvant.dk](http://kvant.dk) web editor - a members magazine for the Danish physicists society.
- 2006** Studied 6 months at the world's northernmost higher education institution: the University Center in Svalbard located in the arctic ocean, 78°N.
- 2001** → **2008** Editor and editor in chief for several periods of *Gamma*, a 3000 copies per quarter Niels Bohr Institute funded magazine.