

Curriculum Vitae

Jannick Raunow
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Born: 31.05.1977
Marital status: Married, 1 child
Language: Danish native language and proficient written level
English at native level

Generally

Entrepreneur, result- and solution-oriented developer, architect and change management profile with strong communication skills, a strong technical background and a broad business-oriented overview of modern technologies that can bring innovation-oriented companies to the data-driven culture and IT support. Both in the large enterprise perspective and for the down-to-earth agile-oriented company.

Professional experience

- 2019- **Chief Consulting Officer at Raunow Consulting ApS**
[Data, AI & IoT consulting company, 5 employees, consulting.raunow.dk]
- Owner-manager.
 - Consulting within Data, IT management & architecture, BI, AI, IoT, Big Data, Cloud, Azure, AWS, Realtime + Modern Data Warehousing, Agile vs. Structured solution tracks, governance & GDPR, AI & IoT platform and everything around the road to it for the innovation-ready company.
 - App development within the same areas – IaaS/PaaS/SaaS.
 - Silver Microsoft Partner – Data Analytics, Microsoft Power Platform Partner. Varigence Partner.
 - Technology components: SQL Server, Teradata, SSIS, SSAS, SSRS, Azure DB/MI, Power BI, Power Platform, Data Factory, Logic Apps, Data Lake, Data Vault, Synapse, Purview, Azure IoT, Stream Analytics, MQTT, Machine Learning /R/Python, Kafka, Databricks, Scala, Active Directory, Key Vault and cloud security controls, Storage Accounts, Cosmos DB, Webhooks, Apps, Dynamics integration, CICD, DevOps/GIT/TFS/SVN, VMs, etc. Design of AWS equivalents as well as Snowflake, DBT. Additionally, knowledge of: Mainframe, SAS, Pentaho, Informatica, Snowflake, Hadoop, MongoDB, PostgreSQL, MySQL, Graph DB, ArcGIS, QlickView, JavaScript, Node-RED, Elasticsearch, Prophix, AX/FO, NAV/BC, SharePoint, Adobe Photoshop, Adobe Premiere, HTML, WordPress, Office etc.
 - Industries: Finance, Banking, Credit Management, Utilities, Retail, Insurance, Property & Asset Management, Media, PSO, Member organizations, Pharma, Health, Consulting, Education etc.

- 2016-2019 **Head of BI & Lead Architect at Accobat**
(BI consulting company, 42 employees, www.accobat.dk)
- Leader of a team of 16 Business Intelligence consultants.
 - Grown team and finances by 300%.
 - Created structure and frameworks within BI, Azure, governance, recruitment, career development, etc.
 - Raised the billing rate by 10 percentage points while simultaneously growing staff and adding a host of new technologies and paradigms to the project portfolio: AI, Azure/cloud, IoT, Big Data, multitenant PaaS, Pentaho, etc.
 - Created an internationally and gender-diverse oriented culture from 0 foreigners and women in the delivery, to 25% of the delivery loss.
- 2014-15 **Independent consultant at Raunow**
(sole proprietorship)
- Project at the Nationalbank (9 months) on implementing BPM6 in a data warehouse architecture for balance of payments statistics. BI expert, developer, architect and tech lead for a team of 5. MS SQL 2014 (SSIS+ SSAS), Visual Studio 2013 and TFS on Platon's DW platform with continuous integration and Scrum/PRINCE2 management.
 - Ongoing tasks for AURA Energi, iSpoc, Coop, SEAS-NVE, Cortex and KTS.
- 2010-14 **Senior Consultant at Rehfeld**
(BI consulting company, 75 employees, www.rehfeld.dk)
- Expert in Business Intelligence including primarily MS SQL Server, but also SAS, Oracle, Informatica, Prophix, Qlikview, Targit, SAP BW and NAV/AX. Worked on around 80 projects from very small tasks to projects worth three-digit million.
- 2006-10 **Independent consultant at Raunow**
(sole proprietorship + various associated freelancers)
- Independent consultant: EnergiMidt, Geomatic, Galten Elværk, Østjysk Energi, Viby Elværk, Brabrand El-selskab, SpreadSite, Experience Taster and Byens Ejendom, among others.
- 2006-08 **IT architect at Geomatic**
(Geoinformatics, 25 employees, www.geomatic.dk)
- Data and Database Expert: OIS, Conzoom/Mosaic, address data, CVR, GIS, Robinson, KOB, geocoding and wash/match systems for customer and address data.
 - Project management: Project manager and system administrator for web database portal
 - IT Operations: Responsible for the company's general IT operations.
- 2002-06 **IT consultant at EnergiMidt**
(Electricity supply/broadband, 600 employees, www.energimidt.dk)
- Employed 2002-04 in the customer settlement department, 2004-06 in Finance & Business Development and 2006-2010 as a permanent external consultant.
 - Cross-organizational projects closely integrated with the business in terms of developing IT, ERP and data technology solutions.
- 2001-02 **Data consultant at TDC Forlag**
- Data production, VBA, development of CRM system, address data, CVR data, road registry data, Robinson data and KOB data.
- 1999-01 **Student programmer at NaviPartner Aarhus**

Education

- 2004-06 HD Organization in a single subject at Aarhus School of Business
- 2001-04 HD-Informatics at Aarhus School of Business
- 1998-01 HA(dat.) at Aarhus School of Business
- 1996-98 Studies in Mathematics-Computer Science at Aarhus University
- 1993-96 Mathematical matriculation examination at Ringkøbing Gymnasium

Hobbies

- Film/producer I am a producer and producer of feature films, such as "Lad De Døde Hvile", "Fjendeblood", "The Girl in the Trunk", "Catfish" and "Extant Fury", and have also produced theater, event/performance and forum theater. Read more at se.raunow.dk
- Actor I am a professionally trained actor, a member of the Danish Actors' Association and have participated in several professional productions on TV, film and theater.
- Fitness I do strength training and dance.

Other education

- 2013 Acting training at The William Esper Studio in New York.
- 2006-09 Professional acting training at Ophelia in Copenhagen.
- 2006 Studies at the Dramaturgy vacancy program at Aarhus University.
- 1998 Studies in English supplementary subject at Aarhus University.

Project experience

- **SDC – Raunow Consulting ApS**

Jul. 2024 – Feb. 2025 *Developer*

Delivering error free end-of-year tax reporting for ~50 nordic banks in a notoriously new Teradata based system.

- Develop features and fixing bugs in hundreds of thousands of lines of code in a not yet fully mature platform.
- Analyse and solve complex and multi-facetted tax related issues.

- **Lowell – Raunow Consulting ApS**

Nov. 2021 – Jun. 2024 *Lead Architect*

- Lead architect for Lowell to Cap Gemini as supplier on a 3-digit million project within the Azure data platform. Designing for the project in function of the overall technical management in collaboration with the program manager.
- Advisory partner with changing emphasis over time: Stakeholder mgmt, vendor selection and mgmt, group strategy, business case, enterprise architecture, technology journey, technical profile resource mgmt and people/organizational development, etc.

- **Danske Bank – Raunow Consulting ApS**

Apr. 2021 – Mar. 2024 *Data Architect*

- Data Architect for AML Review, Danske Bank's anti-money laundering data platform
- Tribe Architect (lead architect) for Risk Tribe, Danske Bank's risk and compliance division
- Data Architect for Financial Crime Lifecycle Management tribe
- Advisory partner with changing emphasis over time: Stakeholder mgmt, vendor selection and mgmt, group strategy, business case, enterprise architecture, technology journey, technical profile resource mgmt and people/organizational development, etc. Strategic design of enterprise AWS platform.

- **Rockwool – Raunow Consulting ApS**

June 2023 – July 2023 *Enterprise Architect*

- Strategic consulting on global EDW based on Snowflake and DBT, including factory automation with IoT and AI.

- **ATP – Raunow Consulting ApS**

Oct. 2020 – June 2021 *Tech lead and interim manager*

- Responsible for the data remediation and minimization project for Udbetaling Danmark
- Responsible for Udbetaling Danmark's data sanitization in 2020
- Lead a team of 2 Inspari consultants, 1 employee and 5 internal resources

- **Boon.tv – Raunow Consulting ApS**

Mar. 2021 – June 2021 *Consultant*

- Establishing Power BI reporting

- **Atea – Raunow Consulting ApS**

Jan. 2021 – June 2021 *Consultant*

- Migration to CatalystOne of ETL from legacy HR system

- **NREP – Raunow Consulting ApS**

Sep. 2020 – Mar. 2021 *Consultant, architect and developer*

- Establishing a Power BI reporting platform
- Development, architectural assurance, best practice governance, report development, backend/frontend, clarification, consulting and competence assurance of the organization regarding the data platform. From input data source to end user experience.

- **ATP – Raunow Consulting ApS**

Apr. 2020 – Sep. 2020 *Consultant, advisor and architect*

- Data and application overview for the entire ATP across all systems
- Data governance, data lineage, process lineage, GDPR handling, access control, production data handling, data sanitization, cloud migration, data catalog, with cross-visualization and establishment/linking to data sources, business concept library, application and server/environment
- Technical overall assurance that ATP is data sanitized 2020
- Lead a team of 3 external consultants, 1 internal and a number of internal temporary resources

- **Codan – Raunow Consulting ApS**

Mar. 2020 *Consultant and tech lead*

- Architecture, framework, lineage, governance, enterprise data warehouse best practices, tech lead for 2 developers
- Sales and marketing data warehouse on insurance data, conversion of SAS code to SQL, establishment of GDPR classification management, establishment of job management system
- Lead for 2 external consultants

- **Danfoss – Raunow Consulting ApS**

Dec. 2019 – Jan. 2020 *Consultant and developer*

- New establishment of Power BI sales and marketing dashboard on top of SAP

- **iSpoc - Raunow**

Aug. 2015 – Nov. 2015 *Consultant and developer*

- Reporting Services solution on MS DW (SSRS)
- New frontend with 36 different reports embedded in existing web application. All texts fully configurable for the end user.

- **National Bank - Raunow**

Oct. 2014 – Jun. 2015 *Consultant, developer, architect and tech lead*

- DW solution on the MS stack (SSIS, SSAS, SSRS) in Platon's DW framework with continuous integration
- Scrum/PRINCE2 management via TFS
- Implementation of BPM6 manual for Denmark's balance of payments statistics in new data warehouse solution

- **Academics - Rehfeld**

Jan. 2014 – Apr. 2014 *Consultant, Tech Lead*

- DW solution on the MS stack (SSIS, SSAS, SSRS)
- Re-establishment of DW solution, including dashboard and web portal

- **Building Authority - Rehfeld**

Jan. 2013 – Sep. 2014 *Developer and architect*

- DW solution on the MS stack (SSIS, SSAS, SSRS, Targit)
- Support, further development and adjustment of existing DW solution as well as advice

- **KMD - Rehfeld**

Nov. 2013 – Dec. 2013 *Developer, specialist*

- Establishment of Theobald connector for extraction from SAP
- Establishment of PowerPivot reporting on KMD's SAP BW

- **Gentofte Municipality - Rehfeld**

Nov. 2013 – May 2014 *Developer*

Mar. 2013 – Apr. 2013 *Programmer*

- DW solution on the MS stack (SSIS, SSAS)
- Support and adjustment of existing DW solution
- Programming in .NET to establish web services for data exchange

- **Rigshospitalet - Rehfeld**

Sep. 2013 – Sep. 2014 *Developer*

- DW solution on the MS stack (SSIS, SSAS)
- Support and adjustment of existing DW solution

- **GN Resound - Rehfeld**

Aug. 2013 – Sep. 2013 *Developer*

- DW solution on the MS stack (SSIS, SSAS)
- Support and adjustment of existing DW solution

- **Central Denmark Region - Rehfeld**

Sep. 2012 – Apr. 2013 *Developer*

- DW solution on the MS stack (SSIS, SSAS)
- Support and adjustment of existing DW solution

- **TILE - Rehfeld**

Jan. 2012 – Sep. 2012 *Developer, architect and specialist*

- Joint municipal management information solution for Kombit totaling 158 million for benchmark reporting across all of the country's municipalities.
- Informatica based ETL engine with SSAS, SSRS and Sharepoint frontend

- **FOSS Quality Datawarehouse - Rehfeld**

Jan. 2010 – May 2013 *Developer, architect and account responsibility*

- DW solution on the MS stack (SSIS, SSAS, SSRS/Excel/Qlikview)
- Quality assurance by collecting quality information from all actors in the value chain. Multiple reporting to a central quality information system that facilitates optimization of quality assurance and production in the business
- Establishment of Theobald connector for extraction from SAP and advice on architecture

- **KTS - Rehfeld**

Dec. 2011 – Sep. 2014 *Consultant*

- Data extraction and ongoing support on Oracle/EASY-A

- **Wunderwear - Rehfeld**

Dec. 2011 – Aug. 2012 *Consultant*

- DW solution on the MS stack (SSIS, SSAS, Targit)
- Support and adjustment of existing DW solution

- **iSpoc KPiCubes - Rehfeld**

Dec. 2011 – Sep. 2014 *Consultant, developer and account manager*

- Cube solution on top of iSpoc's service desk system IHLP (SSIS, SSAS, SSRS/Excel)
- Customer responsibility, product installations, sales activities, partner relations, product development

- **Danish Health Authority/Ministry of Health - Rehfeld**

Jan. 2010 – Jan. 2012 *Developer and consultant*

- The Settlement Portal – MS solution for reporting on DGS rates (SSIS, SSAS, SSRS)
- KØS Municipal Self-Grouping – SAS DI solution for creating your own groupings on KØS data

- **Amgros - Rehfeld**

Aug. 2010 – Nov. 2011 *Developer*

- Prophix budgeting solution (SSIS, Prophix)
- Ongoing support and further development tasks for a number of years afterwards

- **Novo Nordisk DMS Budget System - Rehfeld**

May 2010 – Feb. 2011 *Developer and architect*

- MS Office solution for preparing and reporting NN DMS' budget figures to the group

- **SAS Financial Management - EnergiMidt**

Oct. 2005 – Dec. 2007 *Support and further development*

Apr. 2005 – Oct. 2005 *Implementation*

Jan. 2005 – Apr. 2005 *Analysis and system selection*

- Technical project employee in-house in collaboration with consultants from SAS Institute.
- Per the CFO's assignment, we investigated various possible solutions for establishing a financial management and budgeting management system. The choice fell on SAS and for the implementation part of the project we hired consultants from SAS. I joined forces with the external consultants and after some time took over the majority of the development.
- Tools used: BaseSAS, Data Integration Studio, Management Console, Financial Management Studio, Enterprise Guide, Information Delivery Portal, VBA, Java, Web. Subsequent migration of SAS code to SQL.

- **Reporting tool for supply and billing data - EnergiMidt**

Sep. 2002 – Jan. 2007 *Previous versions and analysis*

Feb. 2007 – Sep. 2007 *Implementation*

Oct. 2007 – Oct. 2009 *Support and further development*

- Solution architect and developer on data marts in MS SQL Server for reporting on supply and billing data for Settlement, Finance, Logistics, Electricity Trading, Marketing, Project Planning, Documentation, Customer Service, Debt Collection, the Executive Board and the Board of Directors/Board of Representatives.
- The developed tools are still used today (2014) with great pleasure by all stakeholders and the quality of the finished product has proven to be extremely viable.
- Tools used: Management Studio, Visual Studio, Integration Services, Analysis Services, Visio DW Modeling.

- **Natural Energy - EnergiMidt**

Jan. 2009 – Jun. 2009 *System architect and developer*

- Insourcing of billing for the electricity distribution company Natur Energi, which was a completely new company, where our task was to establish routines and systems for handling their billing as well as system integrations with their databases.
- Tools used: Dynamics AX (MorphX/X++), Management Studio, Visual Studio, Integration Services

- **Ejendomsdatabasen.dk - Geomatic**

Aug. 2007 – Feb. 2008 *Analysis and implementation*

- Project manager, solution architect and data expert on the development of a web portal for reporting on property data.
- The director was the principal and sponsor and the project group consisted of the project manager (the undersigned), three developers (respectively a technical project manager, a backend developer and a front-end developer), the marketing manager and a data scientist.
- Tools used: Management Studio, Visual Studio, Integration Services.

- **Management Information System - EnergiMidt**

May 2005 – April 2006 *Analysis, system selection and report development*

- Project employee.
- EnergiMidt's management information project was largely aimed at mapping, making available and clarifying the BI information that was relevant to the executive board and the management team.
- Tools used: Management Studio, Visual Studio, Integration Services, Reporting Services, VBA, SharePoint.

- **SAS HR - EnergiMidt**

Feb. 2006 – Feb. 2008 *Support and further development*

Sep. 2005 – Jan. 2006 *Implementation*

Mar. 2005 – Aug. 2005 *Analysis*

- Project manager and developer of BI reporting in the HR area.
- After the SAS FM project, the plan was to use SAS to create BI reporting for use in connection with EnergiMidt's management information system. However, I had learned so much from the SAS FM project that I felt ready to carry out development independently and only with SAS' consultants on the sidelines as advisors.
- The project resulted in three data marts: Sickness absence, Employee hours and Employees.
- Tools used: BaseSAS, Data Integration Studio, Management Console, OLAP Cube Studio, Enterprise Guide, VBA, Visio DW Modeling. Subsequent migration of SAS code to SQL.

- **Churn statistics - EnergiMidt**

Jan. 2008 – Oct. 2009 *Support*

Sep. 2007 – Dec. 2007 *Implementation*

Nov. 2003 – Aug. 2007 *Previous versions and analysis*

- Solution architect and developer on data mart in MS SQL Server for churn statistics.
- Management, Marketing and especially Elhandel wanted a data mart with information about customer arrivals and departures.

- Tools used: Management Studio, Visual Studio, Integration Services, Analysis Services, Visio DW Modeling.

- **Municipal merger - EnergiMidt**

October 2007 – January 2008

- Technical project manager and executive system architect and data conversion manager.
- In connection with the municipal merger, an extensive data conversion and cleaning of the company's various address data in Dynamics AX had to be carried out.
- Tools used: Dynamics AX (MorphX/X++), Management Studio, Visual Studio, Integration Services

- **KVHX - EnergiMidt**

September 2007 – May 2008

- System architect, system expert and integration developer.
- One common address register across the company's many different systems.
- Development of architecture, integration and user interface in Dynamics AX towards the external address management system.
- Tools used: Dynamics AX (MorphX/X++), Management Studio, Visual Studio, Integration Services

- **Robinson washing - EnergiMidt**

May 2008 – June 2008

- System architect and developer.
- Development of a system that, with only ½ hour of user time, keeps the company's customer data updated quarterly according to the CVR's Robinson list in an easy-to-use form.
- Tools used: Dynamics AX (MorphX/X++), Management Studio, Visual Studio, Integration Services, Web

- **Readings - EnergiMidt**

September 2008 – January 2009

- Technical project manager, system architect and developer.
- User-friendly and streamlined integration development for retrieving and loading readings from the internet, voice response, and scanning physical maps.
- Tools used: Dynamics AX (MorphX/X++), Management Studio, Visual Studio, Integration Services, Web

- **Herning Municipality conversion - EnergiMidt**

October 2006 – January 2007

- Technical project manager and executive system architect and data conversion manager.
- In connection with the insourcing of Herning Ny Kommune's utility billing, data from the three old municipalities' systems had to be converted into the company's Dynamics AX system.
- Tools used: Dynamics AX (MorphX/X++), Management Studio, Visual Studio, Integration Services

- **ERP implementation - EnergiMidt**

April 2003 – February 2004

- Technical project employee in-house in collaboration with consultants from EG Utility and internal project manager.
- Implementation of Dynamics AX Xellent in the company and conversion from several different DOS and WIN 3.11 based systems. Testing, documentation and user training.
- Tools used: Dynamics AX (MorphX/X++), Management Studio, Integration Services

- **CRM - EnergiMidt**

March 2004 – November 2004

- Project manager and key technical person for the implementation of Dynamics AX's CRM module.
- Testing, documentation and user training. Identification of system deficiencies and programming of adjustments. Development of a separate campaign management system and integration across accounts.
- Tools used: Dynamics AX (MorphX/X++), Management Studio, Visual Studio, Integration Services, MS Office/VBA

- **SAS FM Resource Management - EnergiMidt**

December 2004 - May 2005

- Technical key person in-house in collaboration with external consultant and solely responsible for the Dynamics AX-related development tasks.
- Parallel to the development of SAS Financial Management, adjustments had to be made to Dynamics AX to handle the company's new resource management model.
- Development of a screen for entering project budgeting data into Dynamics AX and systematics for integration with SAS.
- Tools used: BaseSAS, Data Integration Studio, Management Console, Financial Management Studio, Dynamics AX (MorphX/X++).