

BART HOMPES

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CURRICULUM VITAE

AUGUST 2026

Process mining professional with 10+ years of experience designing, scaling, and embedding process intelligence in complex enterprise environments. Combines academic depth with hands-on delivery across architecture, governance, and operating model design, spanning standardized SAP processes and complex, object-centric and event-knowledge-graph applications.

EDUCATION

- PhD Process mining** | Eindhoven University of Technology & Philips Research, NL 2014 – 2018
- Developed and published process optimization methods and tooling.
 - Dissertation on analyzing process performance.
- MSc Business Information Systems** | Eindhoven University of Technology, NL 2010 – 2014
- Business Process Management. Grade 8.5 / 10.
- BSc Applied Computer Science** | PHL University of Applied Sciences Hasselt, BE 2007 – 2010
- Magna Cum Laude.
- Exchange program, computer science** | Eastern Kentucky University, USA 2010
- GPA: 4.0. President's award.

EMPLOYMENT

- Freelance process mining consultant** | Artifex consultancy 2013 – present
- Designing and leading process mining and intelligence initiatives at enterprise scale
 - Establishing operating models, data architecture, governance, and ways of working
 - Acting as domain and solution architect across multiple client engagements
 - Coaching teams and stakeholders in adopting and scaling process-driven improvement
 - Translating event data into actionable insights for strategic and operational decision-making
- PhD researcher** | Eindhoven University of Technology & Philips research 2014 – 2018
- Research on process improvement using process mining and data science.
 - 20+ publications and presentations at international BPM conferences and journals.
 - Organization and delivery of process mining workshops for Philips and TU/e researchers.
 - Supervision of graduation projects and coaching of honors students in the Big Data track.
 - Instructed courses in Business Process Management Systems and Business Process Intelligence.
- CTO & co-founder** | Aviliz 2015 – 2018
- Development of a data-driven recruitment platform using machine learning and AI.
 - Support of commercial activities in finance, IT, and data science.
 - Leadership of a near-shore development team (scrum/agile).
 - Designing growth plans for the personal and professional development of junior staff.
- Visiting researcher** | Queensland University of Technology, University of Liechtenstein 2015, 2016
- Collaborated with prof. dr. Jan vom Brocke (Uni LI), prof. dr. Marcello La Rosa (QUT, AUS), and prof. dr. Marlon Dumas (University of Tartu, EE) on research in BPM.
 - Developed and published a technique that discovers causal relations between process performance indicators based on time series analysis.
- Interim web content manager** | ERIKS 2011 – 2013
- Improvement of the content management platform using Robotic Process Automation (RPA).
- Volunteer & co-founder** | Stichting Offroad Budel (Foundation) 2011 – 2024
- Organization of an annual 4x4 off-road event (7,500+ visitors, 1,500+ participants).
 - Funding local sports team (Motoball, competing in national and European championships).

LANGUAGES

- Dutch C2
- English C2
- Spanish B2
- German B1
- French B1

RECENT CLIENT PROJECTS

Immigration and Naturalisation Service (IND) | Migration and Asylum 2026 – present

At IND, my focus is on scaling process mining across the complex migration and asylum processes, in particular the implementation of the European “New Pact on Migration and Asylum”. I lead the process-steering initiative, in which process mining tooling (Celonis) is implemented. This results in immediate visibility into the efficiency and performance of the new migration process from day one, at strategic, tactical, and operational levels. Simultaneously, I support the team in standardization of approaches and data models for broader adoption of process mining across additional processes.

KPMG | Senior process mining advisor 2025 – present

At KPMG, I support client engagements as a senior advisor in process mining and process intelligence. I provide architectural guidance, safeguard quality and consistency in analyses, and coach junior consultants in delivery. In parallel, I contribute to building internal capability and help shape process mining as a scalable business line. This strengthens the application of process mining within broader transformation programs and enables more robust and scalable solutions.

FrieslandCampina (via KPMG) | Cash & goods movement 2025 – 2026

At FrieslandCampina, the focus is on gaining insight into the use of different scenarios within core processes in preparation for the migration from SAP ECC to S/4HANA as well as post-migration. I analyzed scenario variants using (Celonis) process mining and made their impact on future process design explicit, enabling prioritization of the S/4HANA deployment and reducing migration risks.

Rabobank | Financial Economic Crime 2024 – 2026

Within Rabobank, I helped the Financial & Economic Crime department scale process mining across multiple KYC domains. I designed and implemented process mining applications (Celonis and Pega) for Customer Due Diligence and Transaction Monitoring, and ensured their integration into improvement initiatives. I acted as a domain and solution architect to establish a uniform approach and architecture for process intelligence across all value streams, resulting in consistent analyses and reusable solutions.

APG | Celonis cloud migration 2024

At APG, the migration from an on-premise Celonis environment to the Celonis EMS Cloud was central, with strict requirements regarding governance and security. I supported this migration, including the transition of custom implementations and the redesign of governance. This resulted in a stable cloud environment and a scalable foundation for further process optimization.

NXP | SAP migration & Celonis data architecture 2023 – 2024

At NXP, the migration from SAP ECC to S/4HANA triggered a redesign of both processes and data architecture. I optimized the Order-to-Cash process, redesigned the Celonis data architecture, and delivered insights for Purchase-to-Pay and Record-to-Report. This resulted in improved end-to-end visibility and a structural foundation for value creation with process mining.

Philips | Process mining lead 2019 – 2023

At Philips, the challenge was to professionalize process mining and embed it organization-wide. I built and scaled the global Process Mining Center of Excellence to fifteen FTE and achieved sustainable, structural, and measurable improvements, cost savings, and efficiency gains across more than fifteen processes and multiple business units, executed in enterprise systems such as SAP and Salesforce.

Vanderlande | Innovation project 2022

At Vanderlande, I worked on a project focused on real-time insight into automated logistics systems. I contributed to the development of a smart supervisor system based on advanced process mining techniques, including object-oriented event knowledge graphs, and guided the trajectory from proof-of-value to commercial product. This improved decision-making in complex warehouse environments.

Roche | Financial operational decision-making 2019 – 2020

At Roche Netherlands, the focus was on increasing insight into operational expenditure and financial reporting. I developed a data-driven approach in close collaboration with the CFO, supporting strategic planning and decision-making around budgeting, compliance, and other financial processes.