

Data Engineer

Deploy quickly with confidence and delight your users

Creator of [Tabulify](#), author of [Datacadamia](#), big proponent of AI agentic data processing, with more than 20 years experience. Mastering the data landscape from data harvesting, integration, visualization, deployment and monitoring. Feel free to contact me to discuss any data questions or problems as well as my competences to implement or resolve them.



Name: Nicolas GERARD
Email: gerardnico@gmail.com
Website: nico.gerardnico.com
Location: [Oegstgeest \(Randstad\)](#)
Profiles: [GitHub](#), [LinkedIn](#),

CHARACTERISTICS

Me in 3 points

- T-shaped Engineer:** Data is my passion and I'm able to work on front-end, back-end and infra allowing me to tackle a broad range of complex real-world problems without extra hire.
- Give a damn:** High agency. Relentless result-driven with a high creativity on solutions. Being idle while waiting for a never-coming answer is not in my nature.
- Clear Model Builder:** [Deep ERP modeling expertise](#), capable of building [clear models](#), spotting inconsistencies, understanding interconnections and trade-offs (Intractable problems find their source in bad models)

PORTFOLIO

Show, don't tell

- Tabulify:** A data processing framework that focus on prototyping and testing for a quick and confident deployment.
- Datacadamia:** Write openly since 2008 and inadvertently created [Datacadamia](#), one of the biggest data enjoyed by 14K users daily (bots excluded).
- Kubee:** A Kubernetes client to install idempotently a prometheus monitored cluster and deploy apps in one command.

EMPLOYMENTS

*Last 2 employments with relevant projects.
For the full list, check the [online version](#).*

2019/26 - FULL STACK DATA DEVELOPER

Bytle - *Software development, Educational Content*

Founder, worked on application and business development

- > [ETL Workflow Engine Development](#) (Java, Graph, Real-Time, Polling)
- > [Source and Sink ETL Connectors Development](#) - Multiple File (Java NIO) and Database Systems (JDBC)

2011/19 - SENIOR ENGINEER (BI, DATA, INFRA)

HotITem - *Business and IT consulting*

Worked on data engineering (dashboarding, reporting, data lake and data warehouse development) and data platform tasks (DBA, CI/CD, Cluster installation and monitoring)

- > [Automotive Marketing Analytics](#) (Aws, Pl/Sql, Google Analytics Api integration)

EDUCATION

- 1998: **Master** [Production and Computer Engineering](#) (with honors) - University of Bordeaux
- 1996: **Bachelor** [Industrial Engineering with Production specialization](#) (with satisfactory honors) - University of Burgundy












LANGUAGES

- Dutch: Fluent
- English: Fluent
- French: Native Speaker




RELEVANT SKILLS

- Analytics:** Data Viz, Notebooks, Olap, Reporting
- Business Intelligence:** BIP, Bobj, Crystal Reports, Data Viz, Obiee
- Broker:** Kafka, RabbitMQ, Redis
- CI/CD:** Ansible, ArgoCd, Docker, Git, GitHub, Kubernetes, Ssh, Terraform
- Cloud:** Aws, Azure, Gcp
- Computer Science:** Ai, Algorithms, Compiler, Compression, Crypto, Data Science, Event Loop, Languages
- Data Lake:** Big Query, Data Warehouse, Hive, Kimball, Parquet, Snowflake, Spark
- Data Science:** Ai, Data Viz, Notebooks, Python, R Lang

- ▶ [Call Center DataWarehouse Development](#) (Obiee, Owb, Oracle, Data Vault)
- ▶ [Coaching Application Development](#) (Apex, Obiee, BIP, Java, JQuery)
- ▶ [ERP analytics and reporting platform implementation](#) (Crystal Report, Oracle)
- ▶ [Etl Workflow Performance Audit and Solutions](#) (Perf, Parsing, Statistics, Partitioning)
- ▶ [IGUS ERP Developer and Integration](#) (Oracle Forms, Report, Business Object, Pl/Sql)
- ▶ [Oracle E-Business Analytics development](#) (Obiee, Owb, Obia)
- ▶ [Oracle/Sap Hana loader development](#) (Partition, parallel thread, compression, buffering)
- ▶ [PowerCenter Big Data Management Implementation](#) (Obiee, Spark, Jupyter, Python, R-lang)
- ▶ [Renewi - 360 Analytics DataWarehouse](#) (Obiee, Owb, Oracle)
- ▶ [SAP Analytics Migration to an new Oracle environment](#) (Owb, Obiee, Oracle, Sap)
- ▶ [SAP Data Quality Master Data Management](#) (Spatial, MDM, Obiee, Sap)
- ▶ [User Comments NLP analytics](#) (Python NLTK, Endeca)

-  [Data Viz](#): Data Science, Ggplot, Grafana, JQuery, Jupyter, Notebooks, Svg
-  [Data Warehouse](#): Data Lake, Data Vault, Kimball, Mdm / Data Quality, Stream/Batch
-  [Databases](#): Clickhouse, MySQL, Oracle, Postgres, Redis, SQLite, Sap Hana, Sql Server
-  [ETL](#): Nifi, ODI, Owb, Powercenter, Powercenter Bdm
-  [Languages](#): Bash, Compiler, Go, Java, Php, Pl/Sql, Python, R Lang, Sql, Typescript
-  [Notebooks](#): Data Science, Data Viz, Excel, Jupyter, R Lang, RStudio
-  [Performance](#): Algorithms, Compression, Data Structures, HTML Performance, Modeling, Query Plan
-  [Platform](#): Ansible, ArgoCd, Dns, Docker, Grafana, Kubernetes, Prometheus, Ssh, Terraform
-  [Real Time](#): Grafana, Kafka, Nifi, Prometheus, RabbitMQ, Stream/Batch
-  [Reporting](#): BIP, Crystal Reports, Typst
-  [Data Structures](#): Avro, Collections, Compiler, Graph, Json, Parquet, Spatial, Svg, Table, Text, Xml

INTERESTS

-  **Games**: Chess, Rugby
-  **Reading**: Product Design, Psychology, Computer Science
-  **Sports**: Running, Swimming, Skiing