BENJAMIN ARFA



Technical Project Manager · Data & Software Engineering

I lead data and software projects from the first workshop to go-live: aligning stakeholders, shaping requirements, steering consultants and budgets — and staying close enough to the code to make sound technical calls. In more than nine years across life sciences, healthcare, banking supervision and public administration, I have delivered solutions people actually use, most recently two HSE solution integrations for 3,000+ collaborators at Bachem.

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Basel, Switzerland

WHAT I DO

Software Engineering & Business Analysis
Requirements, architecture, process optimisation and delivery.

Healthcare Interoperability
HL7 FHIR data modelling and semantic integration.

Metadata Architecture & RegTech
Metadata models, governance, BIRD / SDMX implementation.

CHANGE I DROVE

Healthcare Interoperability

HL7 Switzerland · Technical Manager 2026 – now
- Driving standardisation through the **HL7 FHIR** standard.
- Aligning **interoperability working groups** on shared guidance.

Bluespace Ventures · Compassana · Product Owner 2022 – 2024
- Turned PoCs into the **FHIR integration** architecture of Compassana.
- Fed the work into **HL7 CH** and the **SNOMED CT** French translation.

RegTech & GovTech

BIRDBench Ltd · Co-Founder 2025 – now
- Leading **Eclipse FreeBIRD**, open-source tooling for BIRD models.
- Making the ECB's reporting standard usable **without licensed silos**.

Swiss Federal Statistical Office · Research Analyst 2022
- Brought **SDMX methodology** into data & metadata exchange.
- Replaced manual steps with **API-connected** metadata repositories.

European Central Bank · Research Analyst 2020 – 2022
- **BIRD/SDD** metadata models, standardising EU bank reporting.
- Moved manual work into **CI/CD** and a **metadata library**.

Industry

Bachem AG · Business Analyst 2025 – 2026
- Integrated **two HSE solutions** (Health & Safety, Environmental Reporting) for 3,000+ collaborators; managed consultants on a **CHF 200k+** budget.
- Supported **Power BI** analytics for **Operational Excellence**.

RWTH Aachen · Rheindata · Software & Data Engineer 2018 – 2019
- **Predictive-maintenance models** to anticipate turbine failures.
- Shipped an **exploratory-analysis tool** in R Shiny.

Boralex · AHK Algérie · Software & Data Engineer 2017 – 2018
- **Wind-turbine performance insights** for Boralex R&D decisions.
- Market report on **renewables** in agriculture & buildings for AHK.

RIGHT NOW

Co-Founder
BIRDBench Ltd
Bringing innovation into RegTech with open-source BIRD tooling (Eclipse).

Technical Manager
HL7 Switzerland
Healthcare data standardisation & FHIR guidance.

Business Analyst
Bachem AG
Until Dec 2026.

OPEN FOR

- **Technical project manager** roles for data & software projects
- **Product owner** and business analysis roles
- Bridging business and IT in regulated environments
- Data governance and architecture advisory

HOW I WORK

Discover | Design | Develop | Deliver

Workshops and stakeholder mapping first, then data models and integration design, then build and handover.

LANGUAGES

French C2 | German C2 | English C2 | Spanish C2

POSITIONS

Technical Manager — Apr 2026 – now
HL7 Switzerland — Switzerland
Technical management of Swiss FHIR specifications and the standards community.

Co-Founder · Head of Development — Feb 2025 – now
BIRDBench Ltd — Basel
- May 2026 **Co-Founder**
  RegTech venture around the BIRD open standard.
- Feb 2025 **Head of Development**
  Software development & technical strategy for open-source BIRD infrastructure.

Business Analyst — Oct 2025 – Dec 2026
Bachem AG — Bubendorf, BL
Business analysis for HSE, environmental and Operational Excellence systems in life-sciences manufacturing.

Product Owner Data & Integration — Dec 2022 – Apr 2024
Bluespace Ventures AG (Compassana) — Dübendorf, ZH
Owned the data & integration backlog of a Swiss digital-health ecosystem.

Research Analyst · Metadata — Mar 2020 – Nov 2022
Swiss Federal Statistical Office · European Central Bank — DE · CH
- Apr 2022 **Swiss Federal Statistical Office**
  Output management for official statistics: SDMX data & metadata publication.
- Mar 2020 **European Central Bank**
  Metadata research & tooling for banking-supervision reporting.

Software & Data Engineer — Sep 2017 – Oct 2019
Alongside university · RWTH Aachen — DE · FR · DZ
- Apr 2019 **Rheindata GmbH**
  Data & software engineering for analytics products (R, Python).
- Apr 2019 **RWTH Aachen University · CWD**
  Data science on wind-turbine drive-train data.
- Oct 2018 **RWTH Aachen University · IMA / IfU**
  Exploratory analysis of production data and machine learning (Python).
- Sep 2017 **Boralex · AHK Algérie**
  Internships in wind-energy analytics and renewables market research.

EDUCATION

BSc Engineering & Business Administration — Oct 2014 – Mar 2019
RWTH Aachen University — Aachen, Germany

SKILLS

TECHNICAL · LANGUAGES
Python · Go · SQL · R

TECHNICAL · TOOLKIT
Django · FastAPI · REST APIs · Docker · Git · CI/CD · Linux · HAPI FHIR · FSH · BigQuery · Power BI · Tableau · Generative AI

SOFT SKILLS
Stakeholder Management · Communication · Analytical Thinking · Problem-Solving · Decision-Making · Emotional Intelligence

PROJECT MANAGEMENT
Scrum · Kanban · SAFe · Lean · Requirements Engineering · UAT · JIRA

INDUSTRY KNOWLEDGE
Healthcare · HL7 FHIR · **Public Statistics** · SDMX · **Regulatory Reporting** · BIRD

OPEN SOURCE

Eclipse FreeBIRD — Contributor
BIRD toolkit · Python, Docker

Swiss Law Collection — Maintainer
34,443 federal & cantonal acts as open data
swiss-law-as-source.github.io

Law as Code chatbot — Maintainer
Conversational access to Swiss law

MEMBERSHIPS

HL7 Switzerland — since 2023
BIRD — Workstream on Prototyping
Eclipse Foundation contributor
CMDA — Algerian Diaspora Council

CERTIFICATES

ETL & Data Pipelines (Bash, Airflow, Kafka) — edX
Knowledge Graphs — openHPI