

Pierre Blanchet

CTO, Engineering and Data Platforms

Summary

Engineering leader and former founder specializing in Python, data platforms, and cloud infrastructure. Built and scaled production systems to **200 GB/day** throughput, **sub-200ms** API performance, and **99.9%** availability, while driving **40%** payload cost reduction and **16** production deployments with partners.

Core Skills

- CTO and Engineering Manager scope: technical strategy, architecture, roadmap, hiring, mentoring, delivery process
- Data platforms: pipelines, data modeling, APIs, versioning and lineage, reliability and observability
- Cloud: AWS, Kubernetes, CI/CD, containerized workloads, distributed systems, cost and performance optimization
- Languages: Python, SQL, TypeScript/JavaScript, C/C++

Experience

Co Founder and CTO — Meteory and MapHub (*Amsterdam*) 2021 to Present

- Defined technical vision and roadmap, aligning architecture with product strategy and stakeholder priorities across two products
- Designed end to end platform architecture from ingestion and storage to APIs and user facing experiences
- Automated data pipelines processing **200 GB/day**, reducing manual operations by **40%** through scheduling, retries, and data quality checks
- Built dataset versioning and lineage for reproducibility and traceability across releases and customer deliverables
- Developed high performance APIs for large vector and raster access, achieved **sub-200ms** responses and reduced payload costs by **40%**
- Implemented monitoring, alerting, and incident workflows, sustaining **99.9%** service availability over **24 months**
- Reduced cloud spend by **15%** while maintaining throughput targets through storage, compute, and query optimizations
- Managed partner delivery, supporting **16** production deployments in operational environments with public sector stakeholders
- Co founded and helped raise **€1M**, linking delivery milestones to fundraising and execution plans

IT Infrastructure Specialist — European Central Bank (*Frankfurt, Germany*) 2019 to 2020

- Delivered cloud based data services on AWS for internal stakeholders, improving repeatability through standardized patterns and documentation
- Automated deployments and operations with Kubernetes and CI/CD, saving **3,000 minutes/week** of manual build and release effort
- Increased deployment frequency **10x** by containerizing workflows and introducing pipeline driven releases
- Supported production operations and root cause analysis, reducing recurring incidents by **18%** through preventative fixes

Engineering Intern, Operations and Tooling — Safran Aircraft Engines (*Villaroche, France*) **2018**

- Built VBA tooling to automate monitoring and quality indicators, reducing manual reporting time by **20%** and improving consistency
- Partnered with operations teams to clarify requirements, validate outputs, and roll out improvements with documentation and training notes
- Modeled process flows to identify bottlenecks, contributing to cycle time improvements of **50%**

Engineering Intern, Industrial Simulation — Thales (*Elancourt, France*) **2017**

- Developed VBA simulation tools for production planning and scenario analysis, enabling faster decision making for scheduling
- Improved macros and workflows, reducing planning time and lowering errors
- Documented assumptions and usage guidelines to improve maintainability and handover quality

Education

University of Amsterdam, Netherlands 2021 to 2022

Master of Science, Data Science

Project: Built end to end ML pipelines for time series and computer vision coursework, covering data preparation, model training, evaluation, and deployment style packaging

ESTACA Engineering School, France 2016 to 2021

Engineering Degree, Aeronautics

Project: Simulation and systems engineering work applying numerical methods and software tooling to analyze complex systems and operational constraints

Linköping University, Sweden 2021

Erasmus semester, Automation and Business Strategy

Project: Coursework combining industrial automation concepts with product and strategy frameworks

Languages

French (Native)

English (Fluent)

German (B2 to C1)