

SALAH-EDDINE BENBRAHIM, PhD, MBA, B.Eng.

Data Scientist & Artificial Intelligence Specialist · Public-Sector Digital Transformation

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cineinfinite.com • github.com/CineInfini/Video_Quality_Auditor • huggingface.co/benbrahimsalaheddine777 • orcid.org/0009-0005-7050-4014 • publications.polymtl.ca — I can work in Canada, France and across the European Union and EEA. Eligible for TN status under the USMCA for the United States. Available in Montréal, Toronto and Paris.

PROFILE

Data scientist and artificial-intelligence specialist with a **PhD in Computer Engineering** and more than ten years of professional experience, including several years in public service — digital platforms serving over two million citizens, and business intelligence in government. Expertise across data science, AI and machine learning, business intelligence, data governance and quality, and the delivery of reliable systems at scale. **Fully bilingual**: French mother tongue, English professional proficiency.

CORE COMPETENCIES

Data science & AI : machine learning, generative and multimodal AI, large language models (LLMs), model evaluation and reliability, reproducibility

Business intelligence & analytics : SAP BI, dashboards and visualization, data analysis, decision support

Data governance & quality : quality assurance, audit logging, versioning, data compliance and integrity

Engineering & cloud : Python, distributed-systems architecture, microservices, CI/CD, cloud (AWS, GCP)

Large-scale delivery : public platforms (2M+ citizens), high availability, release management

EXPERIENCE

Technical Lead & Architect — Government of Quebec (public digital platform) 2023 – 2025

- Led the architecture of platforms serving 2M+ citizens: 40% latency reduction (2.5s → 1.5s), 99.9% availability, eight major releases delivered on schedule, zero critical incidents.

Founder & AI Architect — CineInfini (AI evaluation, 2023 – Present) and JokeJoy (multi-LLM SaaS, 2023 – 2025)

Senior Business Intelligence Analyst — Government of Quebec 2019 – 2020

- SAP BI, data governance and quality; reduced data-quality issues by 35%; mentored a team of eight analysts.

Researcher & Lecturer, then Postdoctoral Researcher — Polytechnique Montréal 2009 – 2018

- Research in optimization and distributed systems (dissertation on real-time migration of interdependent virtual machines); seven peer-reviewed papers (41+ citations, h-index 4); taught first-year MATLAB programming at Polytechnique.

EDUCATION

PhD, Computer Engineering — Polytechnique Montréal (2016). **MBA** — Université du Québec à Montréal (UQAM). **B.Eng., Computer Engineering** — Polytechnique Montréal.

ADDITIONAL INFORMATION

- Eligible for employment in the municipal, provincial and federal public service.
- Security clearance: available to undertake the required process. Prior experience in a government environment handling sensitive data for platforms serving 2M+ citizens.
- Open contributions: the CineInfini AI-evaluation framework and a public online demonstration environment (DOI-archived results, audit logging, automated testing). Reproduction package: doi.org/10.5281/zenodo.22698801.
- Available on site, remote or hybrid.
- Languages: **French** — mother tongue; **English** — professional (fluent). Able to write and present in French and English.