Arthur Brenno

AI Innovation Leader and Programmer· 21 years old

Executive Summary

Strategic-minded technical leader in AI and digital transformation, responsible for savings exceeding R$200,000 through innovative solutions in the education sector. Architect of proprietary Generative AI frameworks with a focus on governance, scalability, and strategic alignment. Proven experience managing high-performance teams and delivering measurable value to stakeholders.

Business Impact and Leadership

Financial and Operational Results

- Saved over R$200K through intelligent automation and process optimization.

- Achieved 70% reduction in operational time in critical departments using Generative AI.

- Developed proprietary solutions, eliminating third-party dependencies.

- Delivered proven ROI in digital transformation projects for education.

Leadership and Governance

- Managed AI teams focused on value delivery and innovation.

- Established technology governance aligned with strategic goals.

- Created scalable and sustainable development policies.

- Proactively identified and implemented process improvements.

- Maintained ongoing stakeholder alignment to ensure business fit.

Strategic Technology Vision

Architecture and Innovation

- Created proprietary AI framework, reducing costs and increasing control.

- Applied Domain-Driven Design for business-technology alignment.

- Developed high-performance microservices with scalability in mind.

- Standardized corporate architecture using Design Patterns.

Digital Transformation in Education

- Pioneered Generative AI solutions for the education sector.

- Implemented proprietary RAG, outperforming market alternatives in cost and control.

- Built intelligent evaluation systems based on Bloom's Taxonomy.

- Integrated ENEM criteria into automated educational platforms.

Executive Competencies

Technology Management

- Deep understanding of AI trends: LLMs, RAG, Graph RAG, Vector Stores.

- Expertise in Google Cloud Platform with focus on cost optimization.

- Implemented observability and monitoring (Langfuse) for data-driven decision-making.

- Managed CI/CD pipelines and DevOps for continuous delivery.

Proprietary Solution Development

- **Agentle**: Framework outperforming LangChain/LlamaIndex/Pydantic AI in developer experience, performance and quality

- **Webson**: Web data extraction solution used for competitive intelligence.

- **Intelliparse**: Intelligent document processing for business digitalization.

- Created architecture libraries to standardize and accelerate development.

Academic Recognition and Thought Leadership

- Published in top-ranked Qualis A and B journals on management and applied technology.

- Authored impactful articles on Design Patterns and educational CRMs.

- Conducted research on ocean waste detection, demonstrating social responsibility.

- Fluent in English for global engagement.

Vision for the Future

Dedicated to operational excellence and strategic innovation, I aim to lead digital transformations that deliver tangible value. My approach combines technical proficiency with business insight, focused on:

- Maximizing ROI through smart solutions.

- Aligning technology with strategic goals.

- Developing talent and fostering a culture of innovation.

- Establishing robust, adaptable technology governance.