Visionnaire developed an MVP for the Back-End of AltoQi's data solution for the Civil Construction sector

AltoQi sought to develop a software solution for collecting construction budget data, including project, service package, service, composition, and inputs. The data would be stored in a database for later use to provide consolidated information.

The first part of the project involved creating an MVP (Minimum Viable Product) for the Back-End, responsible for data collection and consolidation.

Despite being an MVP, the Back-End was not to be seen as temporary but as the first functional version of the product, used to test hypotheses and validate its value with real users.

AltoQi's requirements included using Node.js or Python as the main technology, maintaining quality code, focusing on APIs, implementing automated tests, and delivering results incrementally.

Visionnaire, a software development company with over 28 years of experience, was contracted to execute the project through an Outsourcing model. Visionnaire's team of highly specialized developers, particularly in Back-End technologies, was responsible for delivering the project according to AltoQi's specific needs.

The team was composed of professionals with mid-to-senior-level *expertise*, proficient in Node.js, Python, and PostgreSQL, and used tools that AltoQi was already familiar with, such as GitHub, Amazon ECS, Microsoft Teams, and Targetprocess Agile Portfolio.

Visionnaire successfully developed an MVP for AltoQi, ensuring it was scalable and capable of evolving based on user feedback. The MVP was seen as a solid foundation for future improvements rather than a simple prototype. This ensured that AltoQi had a robust base for the subsequent phases of its project.

The technologies used in the project included Node.js, Python, and PostgreSQL, with a focus on APIs and automated testing. Continuous Integration and Continuous Delivery (CI/CD), Docker, and GitHub Actions were also utilized for automation. Visionnaire's philosophy, as a software factory, was to adapt to the specific needs and tools of its clients, ensuring a seamless partnership with AltoQi. In conclusion, the partnership between AltoQi and Visionnaire resulted in a successful MVP development that provided a solid, scalable foundation for future advancements in AltoQi's project.