SERVICES: DEVELOPMENT

We develop total solutions

Our focus is to transform business ideas or challenges into sustainable technical solutions.

Understanding the clients' context is the first most important step in the process. We have handled different kind of scenarios:

1. Startups who needed support in transforming their idea into a reliable product
2. Big and old platforms that needed to keep up with the changes in the market
3. New products built from scratch in cloud
4. Platforms with challenges from a technical as well as from a business perspective

Depending on the scenario our client is in, our specialists can:

- **Create personalized business driven platform architectures.** This starts by understanding the client's business needs, analyzing the roadmap, and assembling a future-proof system architecture. Depending on the context, such a setup can vary from a fully-serverless back-end to a full-on event-sourced distributed microservice architecture. What matters is basing it on actual business needs and future plans, allowing growth, scalability, performance and security.

- **Develop custom APIs and integrate with 3rd parties.** Over the years, in the platforms we built, we have integrated with over 200 payment gateways (e.g. iDEAL, ApplePay, Klarna, Sofort, etc.), multiple medical providers, communication providers (e.g. SendGrid, Mailchimp, Twilio, etc.), user-behavior tools (e.g. Google Analytics, Intercom, Mixpanel, etc.) and many more.

- **Structure and professionalize processes and workflows.** A growing team is usually a good sign in terms of product success and viability, but it comes at a cost. What used to work in the beginning, operating with a small team, is now no longer optimal. Processes are failing, work is piling up, tasks are difficult to document, process, prioritize, changes are unstable etc. This is where we come in, analysing and adjusting the entire chain, from functional specification writing, all the way to the feature running in production. We ensure work is specified in enough detail, is put into perspective and the team is able to quickly understand requirements, but also make decisions on their own.

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Your Product/Platform in the cloud of your choice.

- **Migrate monolith platforms to microservices architectures**. In recent years, with the advent of managed container services (such as Kubernetes), microservices have become a viable solution for highly-performant, stable and flexible production systems. In practice, greenfield microservice-based platforms are quite rare, most organizations wanting to adopt microservices approach already have invested considerable effort in one or more monoliths. Working with such organizations has allowed our engineers to become well-versed in the refactoring strategies and pitfalls pertaining to such a migration.

- **Allow high testability and scalability of code by architecting functionalities** in such a way that ensures each unit works correctly, independently of others, but also integrates fluently with other components to form a cohesive system. This allows platforms to be easily extended and adjusted, without compromising related components. At the same time, with an increased test coverage, any change made can be verified before being integrated into the main codebase.

- **Increase code quality.** Code audit using tools such as SonarQube allows our specialists to create personalized set of guidelines for each project, considering specific coding styles and decisions. Afterwards, our engineers can formulate a plan to adjust the codebase in order to reduce risks, improve consistency and refactor troublesome code sections.

- **Maintain and update the solution's architecture to keep up with changes in business.** Rarely we do find ourselves working on a fixed-scope project, mist software nowadays has indefinite lifetime, offering continuously evolving services to its userbase. For our specialists, this means we're constantly on the lookout for expanding or dropping functionalities, integrating existing features between them, moving features to 3rd party integrations, etc.

- **Apply business their knowledge in highly regulated industries such as Fintech** (request-to-pay platforms, billing apps, cash-flow forecasting systems, central repository of information relating to PDS2 XS2A, software around iDEAL, iDIN and Incassomachtigen schemes, account aggregation platforms, TPP platforms, etc.) and Healthcare (electronic health recording software, record software hospital management software, wellbeing apps), but also in Logistics (supply chain and inventory management software) and eLearning (custom software platforms, custom eLearning content)

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