No-code/low-code development platform for Payroll Providers

*Shape

Description automatically generated*

*Customer-oriented development of payroll applications with and without programming*

No-code and low-code platforms promise a significant simplification in the development of business software and are experiencing a strong [growth trend](https://www.appmysite.com/blog/low-code-no-code-development-platforms-market-share-size/). With the help of UI tools or configurators, they offer the possibility of quickly developing individual customer solutions without programming knowledge.

Even if this promise sounds good, pure no-code/low-code solutions, as a rule, quickly reach their limits when designing complex solutions. However, it becomes very exciting when a programming interface is also available.

With the *Payroll Engine*, regulations (for a country, an industry, a pension fund, company-specific add-ons, etc.) can be developed completely autonomously using JSON configuration and a scripting programming interface.

Diagram

Description automatically generated

The test-driven approach ensures documented demarcation between stakeholders and provides assurance that the solution meets customer requirements. The test data also serves as a basis for future enhancements.

In the *Payroll Engine* development process, the various implementation approaches are divided among the respective qualified developers:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | User | Task | Technical Skills | Outcome |
| No-Code | Regulation Owner | Capture requirements and test regulation | JSON | Case-Test  Payrun-Test  Report-Test |
| Low-Code | Regulation Builder | Design and develop regulation | JSON, C# Beginner | Regulation |
| Code | Regulation Developer | Develop features | JSON, C# Intermediate | Case-Action  Payrun Formel  Report |

Since *Regulation Builder* requires minimal C# knowledge (method invocation), a technically skilled *Regulation Owner* is able to develop the application independently. The use of *Regulation Developer* becomes necessary when the function is not available in the *Payroll Engine* Regulation ecosystem.

The combination of no-code/low-code with custom programming enables Payroll Providers to cover even the most complex customer requirements. This with unprecedented development speed.

The excitement generated among customers by this customization quickly motivates Payroll specialists to learn JSON configuration and basic coding skills. Payroll know-how and experience is still a mandatory requirement for the *Regulation Builder*. The job description of today's Payroll Specialists is thus once again greatly enhanced by the *Payroll Engine*.