



CUSTOMER REFERENCE

UES.IO

Company

Industry: Software Provider,
custom apps with GenAI

Location: Zurich

Founded: 2020

Employees: 9

ues.io – The platform for AI-driven app development without limits

ues.io is a development platform for teams who want to build and operate applications faster. **Business users** can create initial prototypes – such as forms, data views, or entire workflows – using **no-code functions** via drag & drop and prompts. If needed, **engineers** can delve deeper with **pro-code**, extending logic, adapting interfaces, or integrating existing systems. This creates an environment where business departments and technology can work together on the same application.

With the **App Kit and Site Kit templates**, common application patterns can be launched in minutes – from internal administration apps to customer portals. The **AI Kit** integrates LLMs that suggest databases, create fields, or optimize user interfaces. This saves time-consuming research and setup work and makes applicability immediately visible.

For companies, this means: Less lead time, faster initial results, and the ability to iteratively develop applications – without lock-in and with full control over their own data.



From Idea to User-Centric Platform

When Gregg Baxter first implemented the idea of ues.io in AWS in 2020, his goal was clear: to create a platform that makes software development accessible for businesses. To transform the early prototype into a stable and powerful solution, he brought copebit on board. Just a few months after its founding, copebit's specialists developed an optimized MVP – the basis for customers to start working with ues.io early on.

The platform was rapidly further developed, and in 2021, central AI functions were added. For users, this means applications can be created faster, many work steps are automated, and new functions are regularly available – without interrupting operations.

„copebit has elevated our infrastructure to a new level of efficiency. We are running faster, more automated, and can continuously drive new releases.“



GREGG BAXTER
CEO, ues.io

AWS provides the technical foundation for this: with stable performance, high security standards and fast scalability, ues.io customers can work reliably. The flexible pricing model of AWS also fits well with ues.io's business model and enables its use in projects of all sizes.

How ues.io Technology Connects Efficiency and Trust

- **Container Architecture and Runtime Layer**
ues.io is based on a containerized architecture where a higher-level runtime layer functions as a control and extension plane. Through an advanced user interface, users can independently adjust their infrastructure needs without having to wait for interventions from the ues.io team.
- **Service Provision with Load Balancing**
With AWS Application Load Balancer, ues.io efficiently distributes workloads and provides services optionally as internal (private) or external (public) endpoints.
- **Multi-Tenant Architecture with Central Data Sovereignty**
ues.io relies on a multi-tenant architecture: teams work in parallel and flexibly, while companies, as central data holders, retain security and full control.
- **Security and Data Management on AWS**
ues.io uses a finely tuned authorization model with AWS roles and permission sets, complemented by services like AWS CloudWatch and GuardDuty, which detect potential attacks early thanks to anomaly detection – for efficient and secure operation.
- **Well-Architected from the start and AWS FTR validated**
The entire AWS architecture was developed from the outset according to the principles of the Well-Architected Framework to ensure security, reliability, and cost-effectiveness. This was additionally reviewed and confirmed by an AWS Foundational Technical Readiness Review.

Early Adopter of AWS Bedrock – Rethinking Build or Buy

At ues.io, the question of whether to develop core components in-house or rely on existing technologies arose early on. Initially, the team programmed its own **GenBots**, which generated database views and immediately built usable user interfaces from them. This allowed ues.io to bridge the gap between **No-Code, Low-Code, and Pro-Code**: Business users quickly received visible results, while engineers could extend applications with additional code as needed. Embedded in **AppKits** – consisting of components, builder, and styles – these approaches formed the foundation for a quick start.

The turning point came when ues.io tested **AWS Bedrock**. It became clear that many of the planned in-house developments were already powerfully available. The decision was therefore consciously made to "Buy" – with clear advantages in **speed, quality, and scalability**.

Automated Workflows for Enterprise Apps

Building on Bedrock, an automated workflow is additionally set up that makes enterprise applications available in record time. In Step 1, a development environment (ues.io Workspace) is created within seconds. **In Step 2**, an image is built from this within 30–40 seconds and seamlessly transferred to a **production environment**. This creates a smooth transition from idea to live system – and companies can deploy their business apps productively faster than ever before.

"We combine our AI expertise with the stability and security of AWS to make innovation from Switzerland reliably available. This creates solutions that are not only technically convincing but also meet the highest demands for reliability and data protection."



MARCO KUENDIG
CTO, copebit

Efficiency today, new interaction tomorrow

ues.io aims to make the work of engineers more efficient and focused. To achieve this, the platform closes two central gaps.

- 1. The first gap concerns the business:** Instead of developers having to invest a lot of time researching the market, content, or application structure, ues.io delivers this information directly within the process.
- 2. The second gap concerns the data basis:** Real data can be quickly connected and automatically placed in the correct context. This allows engineers to work directly on the application itself, without detours or information gaps. This reduces blind spots and makes daily development noticeably simpler and more natural.

Even today, the **AI Kit** sets new standards in working with applications. Via the interface, users can directly interact with **Claude (LLM)**, enter prompts, and thus generate databases or views. The result: better suggestions for data structures, more meaningful fields, and concrete hints on how a business case can be technically implemented.

A leading **wealth management company** in Switzerland is already experiencing these possibilities in practice – and describes the use as a noticeable difference in daily work in terms of efficiency and innovation.

The future goes even further: The upcoming **Studio View** will be developed in three phases. In **Phase 1**, a Chat Panel allows UI/UX to be adapted and tested live via prompt. **Phase 2** automates the implementation of references, for example from Figma PDFs. And in **Phase 3**, Model-Context-Protocols (MCP) will be integrated, allowing interaction agents – whether autonomous or not – to correspond directly with the software.

Regarding the collaboration

Securing innovation, strengthening market viability

„I can only recommend working with copebit. The team is efficient and absolute professionals in handling AWS and the associated programs. I particularly appreciate the transparency and the continuous knowledge transfer – this way we never lost sight of our project and are

still independently in the driver's seat today. At the same time, we know that copebit supports us with every new infrastructure idea and ensures that we remain marketable.“

– Gregg Baxter, founder ues.io

About copebit

Copebit AG is an innovative and dynamic Swiss IT company with focus on cloud consulting, development, engineering and operations. Besides the standard to always master the latest cloud portfolio, copebit AG also offers project management from «classic» over HERMES 5 to the diverse world of «agile methods» like SCRUM and SAFe. Results and a successful cooperation with the customer are always in the foreground.

Copebit consciously focuses on sustainable values such as transparency, partnership and a long-term approach - for a meaningful everyday working life.



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