



Company Profile

Software
Innovation and Digital
Transformation



Who we are?

ARTICHOKE Tech specializes in Healthtech, Biotech and IT service solutions with 5 years of experience in software solution development, IoT and Robotics. Our team comprises 10+ engineers and a database pool of over 100 IT engineers.

5+

Years of Experience

Over 15

Dedicated in-house professionals

100+

Access to Skilled Developers

Our Clients

- Geographical Reach: Predominantly serving clients from Austria and Estonia.
- Industry Expertise: Specializing in diverse sectors, including health-tech, biotech, entertainment, lifestyle, and more

Our Locations

- Göstling an der Ybbs, Austria
- Prishtina, Kosovo

What we offer



Software Innovation and digital transformation

Our expertise encompasses a wide range of services, including software development consultancy, system integration, and the design and development of advanced cloud, desktop, web, and mobile applications. We also specialize in IoT, loHT, robotics, AI, and cybersecurity. Additionally, we provide comprehensive technical support to our clients.

Our Commitment

By rigorously implementing strong structures, processes, and procedures, we are dedicated to attracting and retaining top talent. We prioritize professionals who not only possess exceptional skills but also embody ethical conduct and high standards. These individuals are driven to elevate ARTICHOKE from its current state to its envisioned pinnacle.

Services



Website and Mobile App Development

Comprehensive development for web and mobile platforms.

CRM & ERP Solutions

Development of systems for customer relationship management and enterprise resource planning, including asset management.

CMS and E-Commerce

Creation and customization of content management systems and e-commerce platforms.

Cloud Computing & SaaS Development

Building and deploying cloud-based applications and Software as a Service solutions.

DevOps & Testing

Implementation of DevOps practices alongside testing and quality assurance.

Proof of Concept Design / MVP Development

Creating prototypes and minimum viable products for testing ideas.

Software Customization & Legacy Enhancement

Tailoring and modernizing software to meet specific business needs.

UI/UX Design

Designing user interfaces and experiences that enhance usability.

Embedded Systems, Robotics & Machine Learning

Development in specialized areas like robotics and AI.

Maintenance and Support

Ongoing support and maintenance for software solutions.

Team Skills / Competencies



Programming Languages

- C#
- Java
- PHP
- JavaScript
- Python
- Dart
- Swift
- Kotlin

Backend Frameworks

- PHP Laravel
- Node.js
- ASP.NET
- ASP.NET core
- Flutter
- React Native

Frontend & UI/UX Frameworks

- Angular
- jQuery
- Vue.js
- ReactJS
- Figma
- Photoshop
- Illustrator

Databases

- Microsoft SQL Server
- MySQL
- PostgreSQL
- MongoDB
- Cassandra
- Redis

DevOps & Cloud Platforms

- Amazon WEb Services
- Microsoft Azure
- Google Cloud
- IoT Development
- CI/CD & Build Tools
- Docker

Operating Systems

- Android
- iOS
- Microsoft Windows

Content Management System (CMS)

- Wordpress
- TYPO
- Drupal
- Shopify
- Magento
- Webflow

Team Skills / Competencies



Embedded Systems Programming / Robotics / Machine Learning

- IoT & Infrastructure Management
- Design Firmware with C/C++
- Security Review
- ESP32, aRM Cortex MO-7, RISC-V, Stm32, etc.
- ESP-IDF, Arduino, etc.
- Communication technologies: Bluetooth (BLE), WiFi, Modbus, Ethernet
- Protocols: MQTT, HTTP/S, WebSockets

Documentation & Process Tools

- Jira
- Clickup
- Slack
- MStTeams
- Google Workspace

ARTICHOKE Tech Expertise

Proven expertise in various industries

- Healthcare & Biotech
- Enterprise CRM
- Personalmanagement
- E-commerce
- Lifestyle

Our Work Process



01

Product design

The initial step is to determine which product will be launched. This process results in a comprehensive business logic plan and a detailed technical proposal, including an estimation, timeline, and technology stack.

02

Development

Once the prototype is ready, we begin the development phase. We divide the work into sprints and provide regular updates by presenting a demo at the end of each sprint, ensuring alignment and keeping you informed every step of the way.

03

Launch

At this stage, our main objective is to prepare the product for launch across various platforms. Once it has been thoroughly checked and tested by publishers, we invite you to take the final step and launch it.

04

Support

Once the product is launched, we continue to support you beyond the initial release. We can assist in maintaining its functionality or scaling it by adding new features to meet your audience's evolving needs.



Our Clients / Products / References

HORUS-X

Mobile app

Web app

Hardware

IoHT

Robotics

AI

UX/UI

HORUS-X

About HORUS-X

24/7 Healthcare by HORUS-X

HORUS-Outlet Solution: Innovative booths equipped with advanced medical devices and AI technology, providing 24/7 access to comprehensive telemedical examinations and consultations.



Challenge

Developing the HORUS-X platform that involves connecting VR goggles, EEG hats, IoT sensors, and other devices to a central hub.

Key challenges include integrating:

- Remote patient monitoring,
- AI-powered diagnostics,
- Health tracking via mobile apps, and
- Telemedicine services.

The platform aims to offer comprehensive, round-the-clock medical access and is designed to adapt with technological advancements.

Information

Region

Worldwide

Industry

Healthcare / Telemedicine / Biotech

Duration

since January 2024 - ongoing

Target

- Private Insurance Holders
- Individuals (Self payers)
- Expats and business travelers
- Large corporations with occupational health services
- Athletes and sports organizations
- Concierge clubs, premium card holders
- Public Health System
- Pre-Hospital triage services
- Authorities, police and correctional facilities

Staff

- 12 developers
- 3 IoT experts
- 1 Robotics expert
- 1 UI/UX
- 1 3D graphic designer
- 5 Business Consultants (Business, Innovation and Healthtech experts)

Technologies used

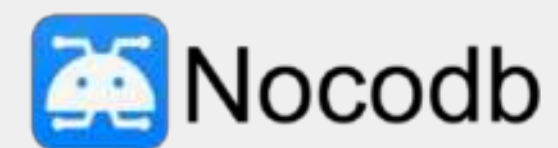
Backend



Frontend



Database



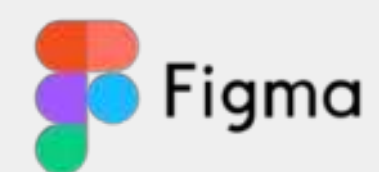
IoT, Robotics
and AI development



Mobile application
development

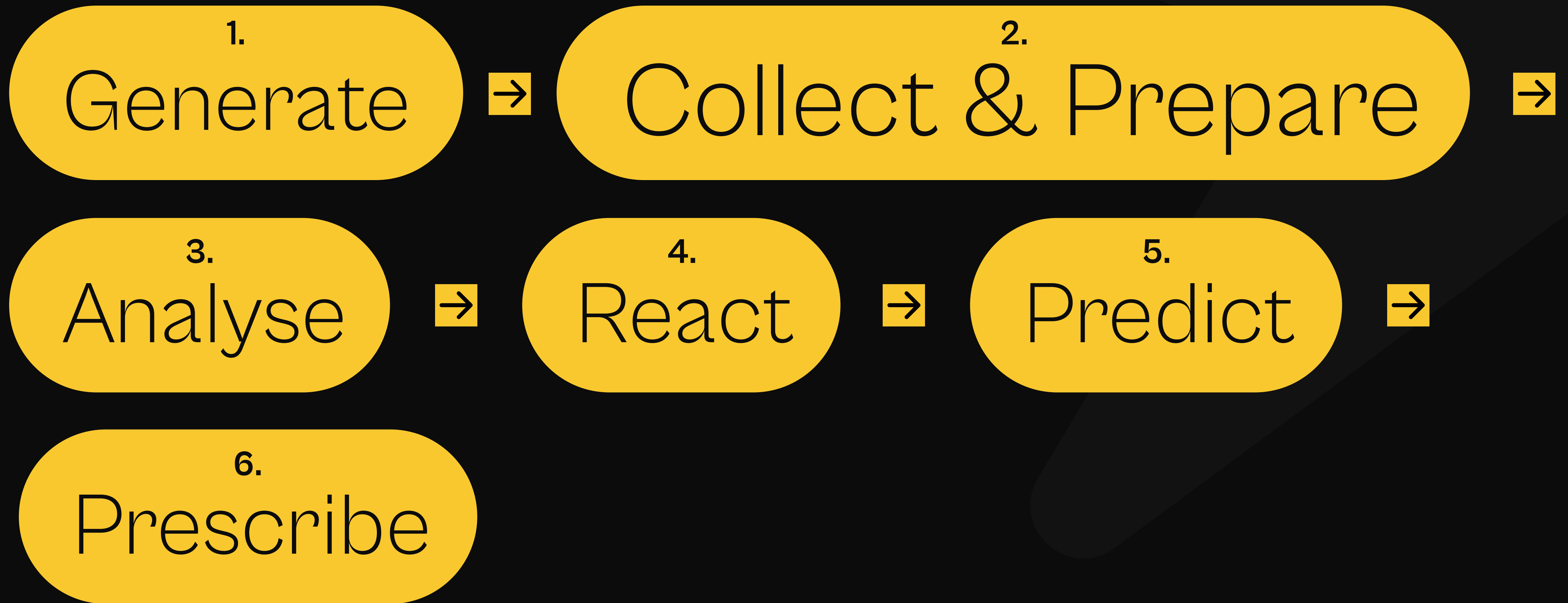


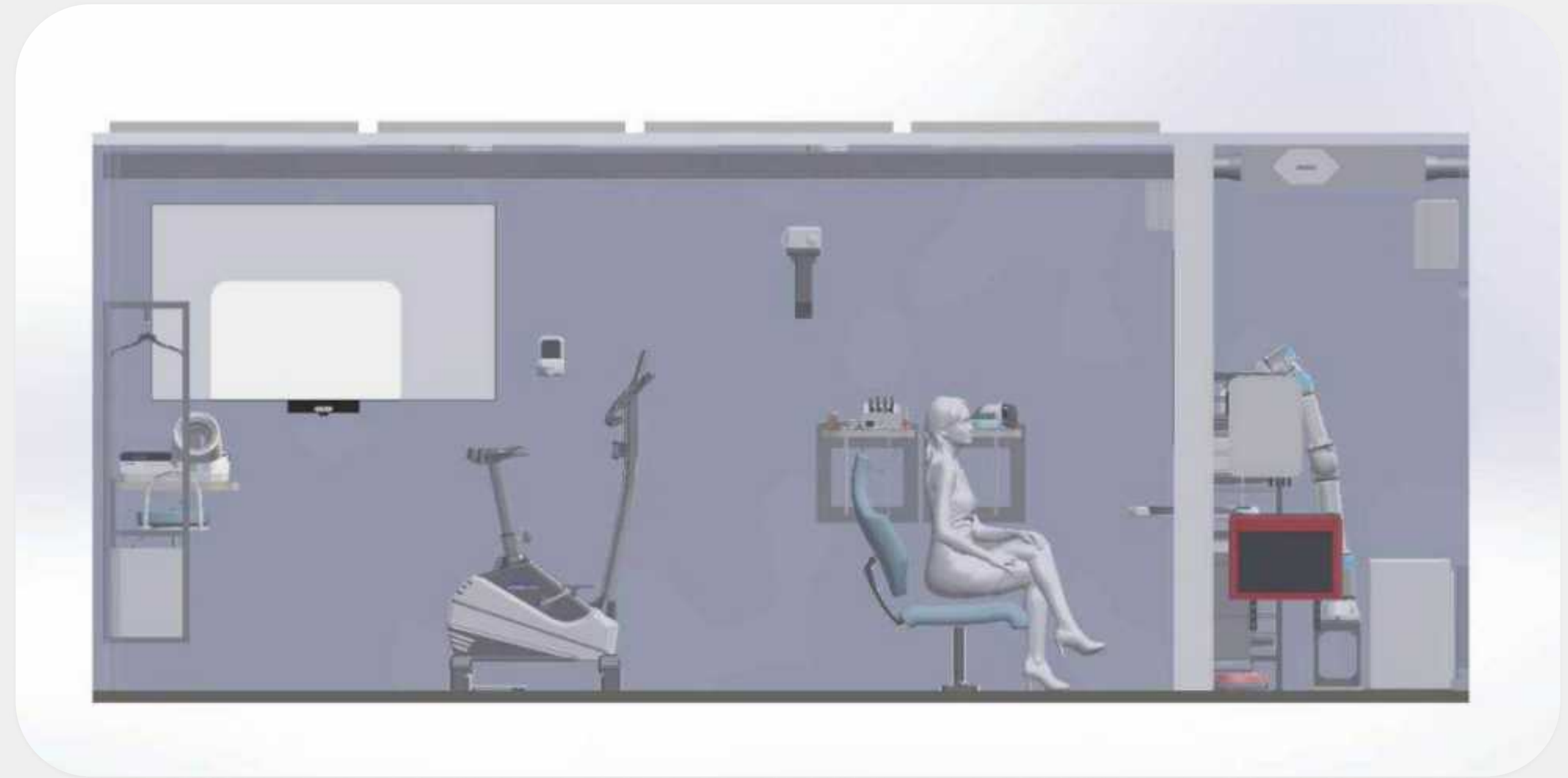
UI/UX



A modern microservice architecture is used for programming, in which small sub-applications are linked to form a larger whole using data interfaces.

Process







Our Clients / Products / References

ClubJam

Mobile app

Web app

Product Design

Software Development

Full Cycle QA

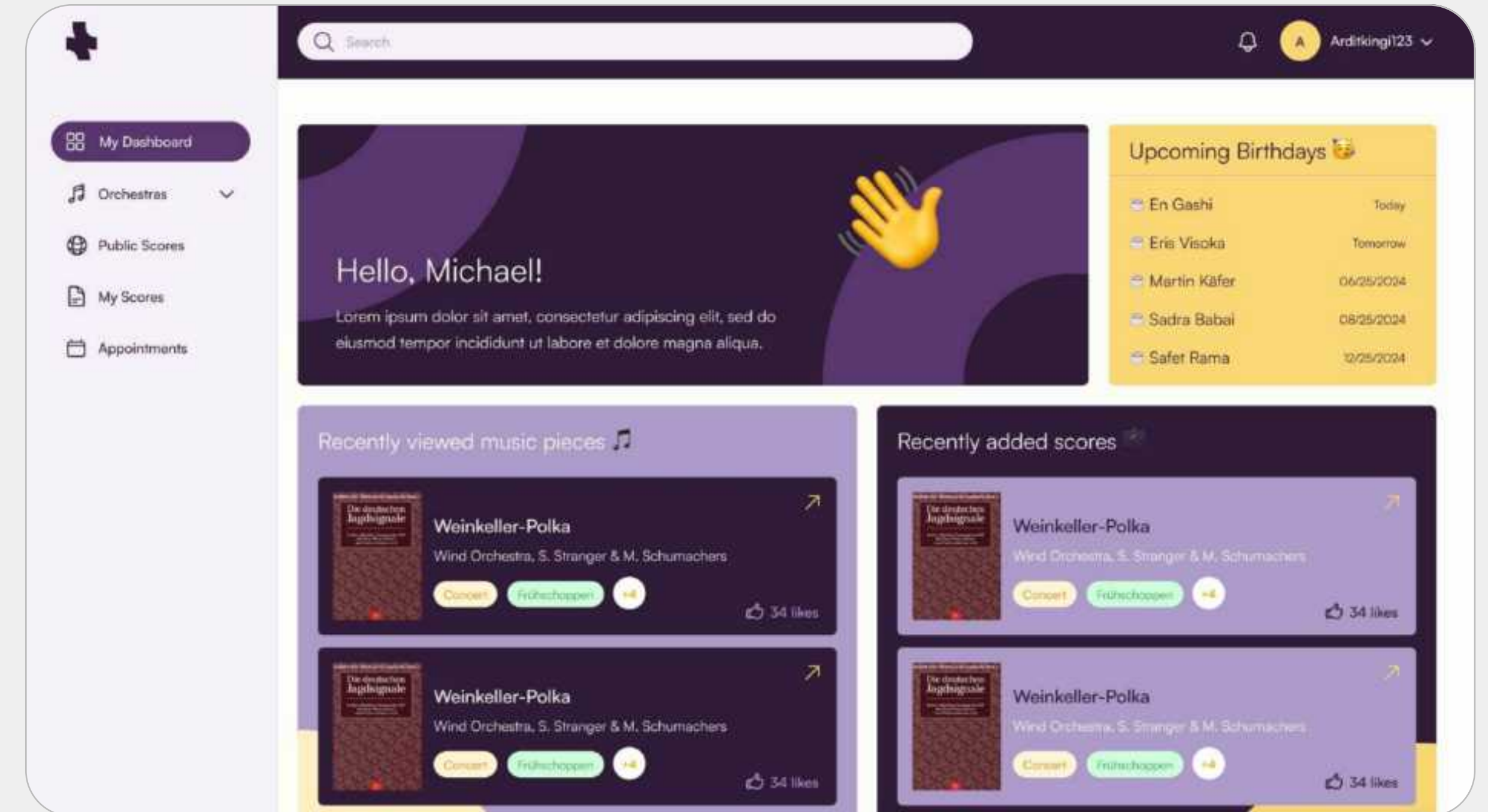
Publishing

Maintenance & Support



About ClubJam

To design and develop a comprehensive management tool for amateur orchestras, facilitating seamless administration, communication, and collaboration among orchestra members and administrative personnel.



Challenge

- **Administration Management:** Implementing features for account creation, appointment management with reminders, and news article handling with visibility settings.
- **Member Management:** Facilitating member profile management, group creation, and instrument rental tracking.
- **Platform Compatibility:** Ensuring responsiveness across Android, iOS, web browsers, macOS, and Windows using Flutter SDK.
- **Backend Integration:** Utilizing Supabase for backend support to minimize development costs and OneSignal for push notifications.
- **UI/UX Design:** Designing intuitive layouts for desktop and tablet, including member profile views, news interactions, appointment RSVPs, and access to score folders.
- **Social Interaction & Gamification:** Integrating features for social interaction and gamification to enhance user engagement.

Information

Region

Austria and Worldwide

Industry

Life-Style

Duration

November 2023 - ongoing

Target

- Target
 - Amateur Orchestras
 - Operas and Theaters

Technologies used

The software is developed using the following technologies, always ensuring that they are kept up to date with the latest developments:

Backend  **supabase** UI/UX  Figma  Ps  Ai

Frontend  Flutter  Vue.js

Database  PostgreSQL  Nocodb  appwrite


Concert Frühschoppen Birthday party
 Print QR Code
 Share



Archive ID: S123

Weinkeller-Polka

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Lorem ipsum dolor sit amet, consectetur adipiscing elit.

Instrumentation	Composer	Arranger
Wind Orchestra	Stefan Stranger	Michael Schumachers
Year of publishing	Publisher	Link to publisher entry
2019	Rundel	Rundel Entry

Level of difficulty	Duration	Category
Hard	02:00:02	Polka

YouTube Video



Audio Preview



Archive position
Row 2, Box 3, Folder 12

Folders
Folder 1 Folder 2 Folder 3



Search

Arditking123

My Dashboard

Orchestras

Public Scores

My Scores

Appointments

Philharmonic Orchestra of Swiss... / Folders / Folder 1 - Konzert number 123

Folder 1 - Konzert number 123
Search
Add score

Title	Instrumentation	Composer	Arranger	Categories
Weinkeller-Polka	Wind Orchestra	Stefan Stranger	Michael Schumachers	Concert, Frühschoppen, Birthday party
Weinkeller-Polka	Wind Orchestra	Stefan Stranger	-	Concert
Weinkeller-Polka	Wind Orchestra	Stefan Stranger	Michael Schumachers	Frühschoppen, Birthday party
Weinkeller-Polka	Wind Orchestra	Stefan Stranger	Michael Schumachers	Concert, Frühschoppen
Weinkeller-Polka	Wind Orchestra	Stefan Stranger	Michael Schumachers	Birthday party



Search

EV Eris Visoka Leader

My Dashboard

Orchestras

















Public Scores

My Scores

Appointments

Appointments

Search
Import Calendar
Create appointment

Title and Date	Time	Location	Orchestra	Category
 Lorem ipsum dolor sit amet  02 Sep 2023	 12:30 - 13:00	 Str. Shaban...	 Philharmonic Orches...	Rehearsal
 Lorem ipsum dolor sit amet  02 Sep 2023	 12:30 - 13:00	 Str. Shaban...	 Orchestra Liebe	Performance
 Lorem ipsum dolor sit amet  02 Sep 2023	 12:30 - 13:00	 Str. Shaban...	 Personal Event	Non-Musical
 Lorem ipsum dolor sit amet				Setup



Our Clients / Products / References

RAMSES & RamsOS: Modular High-
Tech Mobile Laboratory

Mobile app

Web app

Hardware

UX/UI

Product Design

Software Development

Full Cycle QA

Publishing

Maintenance & Support

RAMSES

About RAMSES

RAMSES is a compact, rapid response mobile laboratory (RRML) equipped with state-of-the-art, maintenance-free equipment. It enhances laboratory capabilities in remote regions and serves as an early detection system for bacterial and viral pathogens.



Challenges

RamsOS is a holistic software for controlling and monitoring the Artichoke RAMSES units.

It is divided into the software itself and four sub-software parts, each of which can stand alone but communicate with each other.

- The Sub-Parts:
 - **SmartRamses:** Controls door locks, lighting, air conditioning, and monitoring devices.
 - **COvidfighters Regulation & Lab Management (CORL):** Manages SARS-CoV-2 test administration, including people, samples, and results.
 - **LabSys:** Handles laboratory processes and sample management.
 - **RamsesAssets:** Manages assets and consumables in RAMSES units, functioning as warehouse management software.
- **Application in:** Natural Disasters, Remote Areas and War and Crisis Zones

Information

Region

Austria and Worldwide

Industry

Biotech and Healthcare

Duration

2020 - 2023

Target

- Target
 - Organizations,
 - Ministries of Health and Defence
 - Crisis team & civil protection
 - Health Institutions

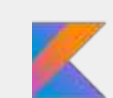
Technologies used

The software is developed using the following technologies, always ensuring that they are kept up to date with the latest developments:

Backend



spring boot



Kotlin



appwrite

Frontend



Flutter



Vue.js

Database



PostgreSQL



Nocodb



appwrite





Our Clients / Products / References

CORLUNA

Mobile app

Web app

UX/UI

Product Design

Software Development

Full Cycle QA

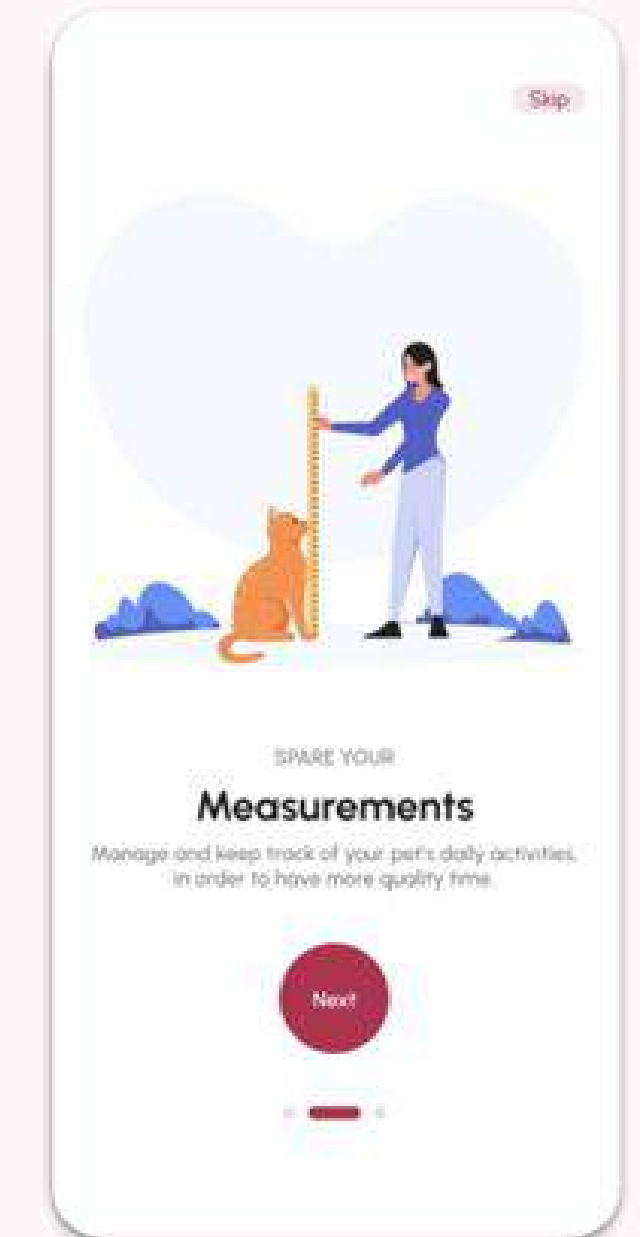
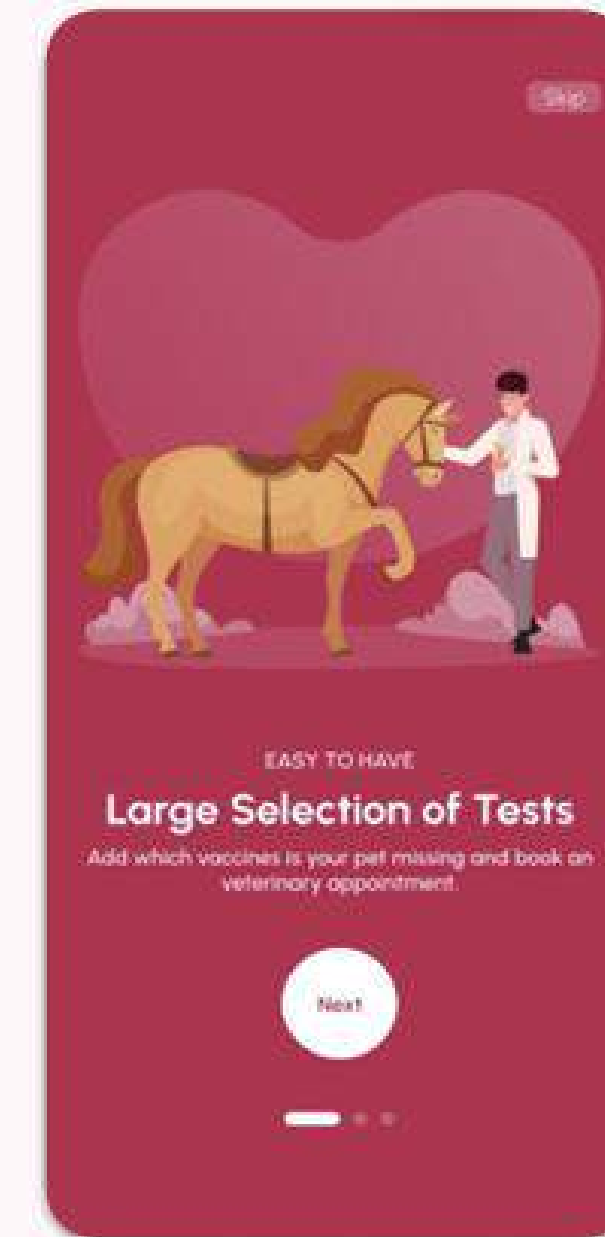
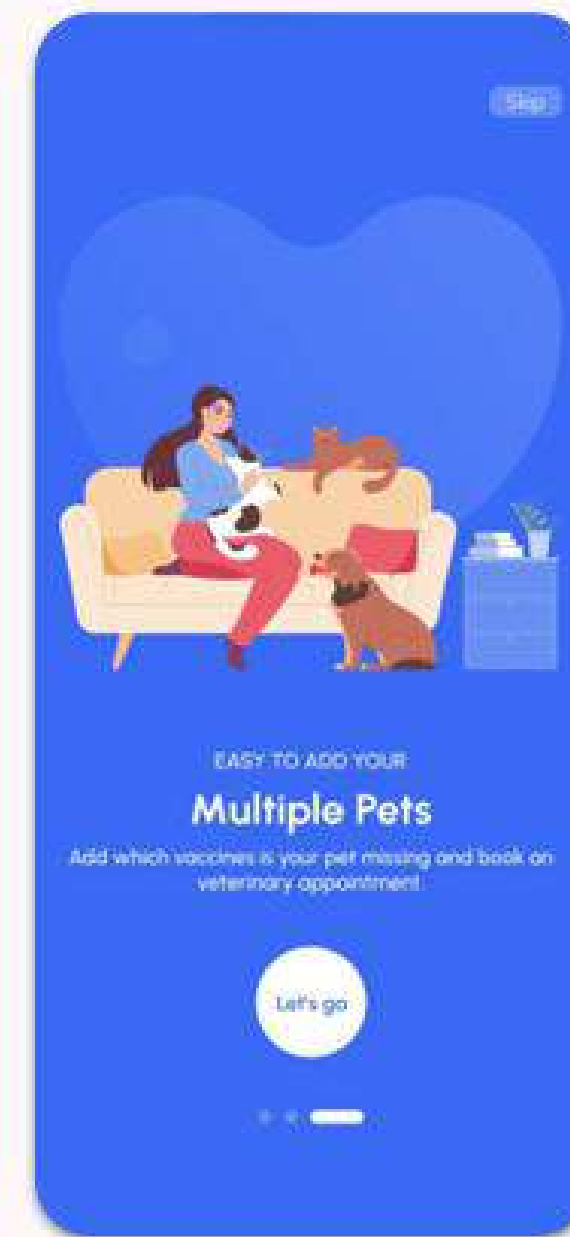
Publishing

Maintenance & Support

CORLUNA

About Corluna

The Corluna app aims to be the ultimate companion for pet owners, simplifying pet management and fostering a healthier, happier environment for pets. Whether you're a new pet owner or a seasoned caretaker, Corluna offers the tools and resources you need to ensure your pet's well-being.



Challenges

- 1. Data Integration:** Ensuring compatibility with various pet tracking devices and veterinary systems.
- 2. User Experience:** Designing an intuitive interface for all users and ensuring seamless performance across devices.
- 3. Privacy and Security:** Protecting sensitive data and complying with privacy regulations.
- 4. Real-time Tracking:** Implementing accurate GPS tracking and managing notifications effectively.
- 5. Community Features:** Moderating interactions and managing user-generated content.
- 6. Scalability:** Ensuring the app handles a growing number of users and pets.
- 7. Third-party Integration:** Partnering with local pet services for seamless booking.
- 8. Market Competition:** Differentiating the app with unique features to attract users.

These challenges require careful planning and execution to create a successful app for pet owners.

Information

Region

Austria and Worldwide

Industry

- Veterinary - health and well-being of pets.
- Combining elements of technology, healthcare, and consumer services to cater to pet owners' needs.

Duration

August 2023 - December 2023

Target


- Pet Owners
- Prospective Pet Owners
- Veterinarians and Veterinary clinics
- Pet Product and Service Providers
- Pet Enthusiasts and Community groups

Technologies used

The software is developed using the following technologies, always ensuring that they are kept up to date with the latest developments:

Backend  **spring boot**  **Kotlin**  **appwrite**

Frontend  **Flutter**  **Vue.js**

Database  **PostgreSQL**  **Nocodb**  **appwrite**



Overview

12.04.2023

Milo's Overview

About Milo [See All >](#)

Age	Breed	Weight	Size
2.5 y	Husky	10 kg	50 cm

Worm Testing Results [See All >](#)

Allergies	Infections
GLUTTEN	YES
Viruses	Diseases
NO	NO

Nutrition [See All >](#)

- Rawhide bone - 190g
699 Kcal
- Dried pigs ear - 50g
216 Kcal

[Add more meal](#)

My Appointments [See All >](#)

- Worm Testing
 - Take worm testing for my pet
15:30 - 17, Friday
 - Take worm testing for my pet
15:30 - 17, Friday



Allergies
GLUTTEN



SKIP

EASY TO ADD YOUR
Multiple Pets
Add which vaccines is your pet missing and book an veterinary appointment.

Let's go

SKIP

EASY TO HAVE
Large Selection of Tests
Add which vaccines is your pet missing and book an veterinary appointment.

Next

SKIP

SPACE YOUR
Measurements
Manage and keep track of your pet's daily activities in order to have more quality time.

Next

Back Nutrition

- Nutrient Supply
80 MJ-DAMP
- Nutrient Need
67.60 MJ per day
- Feeding
2 kg per day

Cancel Size Save

Date
17.04.2023

Length 10 cm Chest 10 cm
Height 20 cm Neck 5 cm

Home Calendar Shop **Paw** Profile

Back Energy Add Data

DAY WEEK MONTH YEAR

Nutrient (MJ)
Today

Home Calendar Shop **Paw** Profile



Our Clients / Products / References

ABX TeleHealth Box

Mobile app

Web app

UX/UI

Product Design

Hardware

AI

Software Development

Full Cycle QA

Publishing

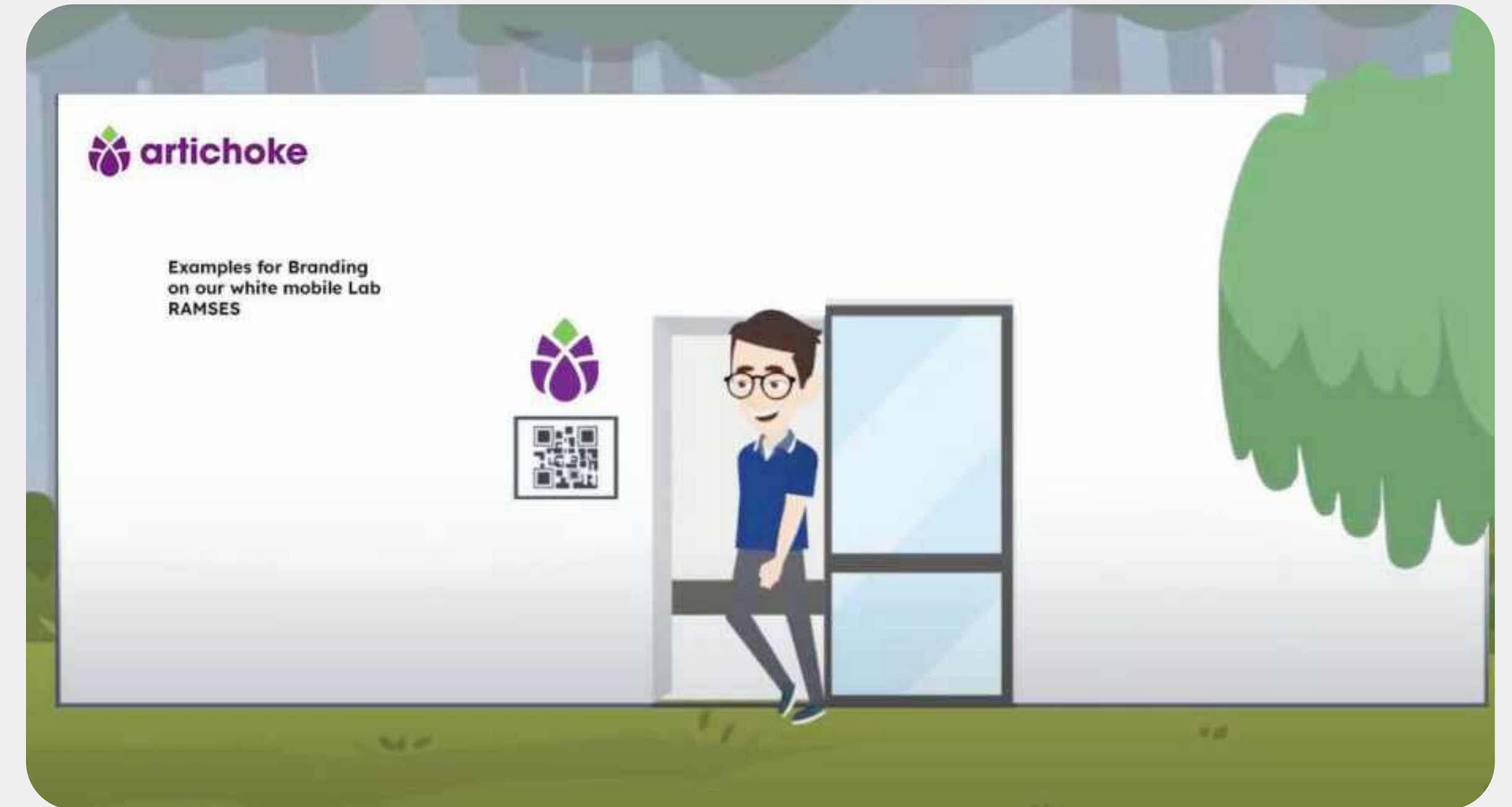
Hardware and IoT

Maintenance & Support

ABX TeleHealth Box

About ABX

The ABX-TeleHealth Box is an innovative and versatile biotech module that improves access to medical care in rural areas. With a variety of analytics and integrated telemedicine, it enables remote consultations and diagnostic services. This opens up new opportunities for physicians and helps bridge the physician shortage.



Challenges

1. Remote telemedicine consultations:

The ABX TeleHealth Box allows physicians to conduct remote consultations with patients in rural areas. This gives patients access to medical advice and the ability to discuss their medical questions and concerns without having to visit a physician's office in person

2. Diagnostic Services: The ABX

TeleHealth Box offers a wide range of analytics, including temperature readings, pulse monitoring, blood glucose readings and more. This enables easy monitoring of health parameters and assists physicians in diagnosis and treatment planning.

3. Specimen collection and delivery:

The ABX-TeleHealth Box supports remote telemedicine, specimen collection, and delivery. Patients can submit blood, urine, stool, and saliva samples, enhancing diagnostic capabilities and care in rural areas without long-distance travel.

Information

Region

Austria and Worldwide

Industry

Biotech and Healthcare

Duration




Year 2023

Target

- Administration of regions and cities
- Social insurance agencies
- Insurance companies

Technologies used

The software is developed using the following technologies, always ensuring that they are kept up to date with the latest developments:

Backend  **spring boot**  **Kotlin**  **appwrite**

Frontend  **Flutter**  **Vue.js**

Database  **PostgreSQL**  **Nocodb**  **appwrite**

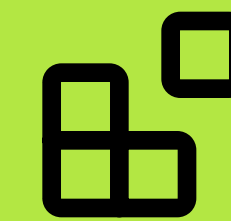
Our Team Expertise



Data
Management
& Big Data



Artificial
intelligence,
machine learning,
robotic process
automation



Integration, e.g.
with ERP, CRM
Systems

Data Management & Big Data



ARTICHOKE Tech / ARES provides comprehensive data management services, encompassing data collection, visualization, and regulatory analysis.

We handle the following with expertise:

Sources of structured and unstructured raw data

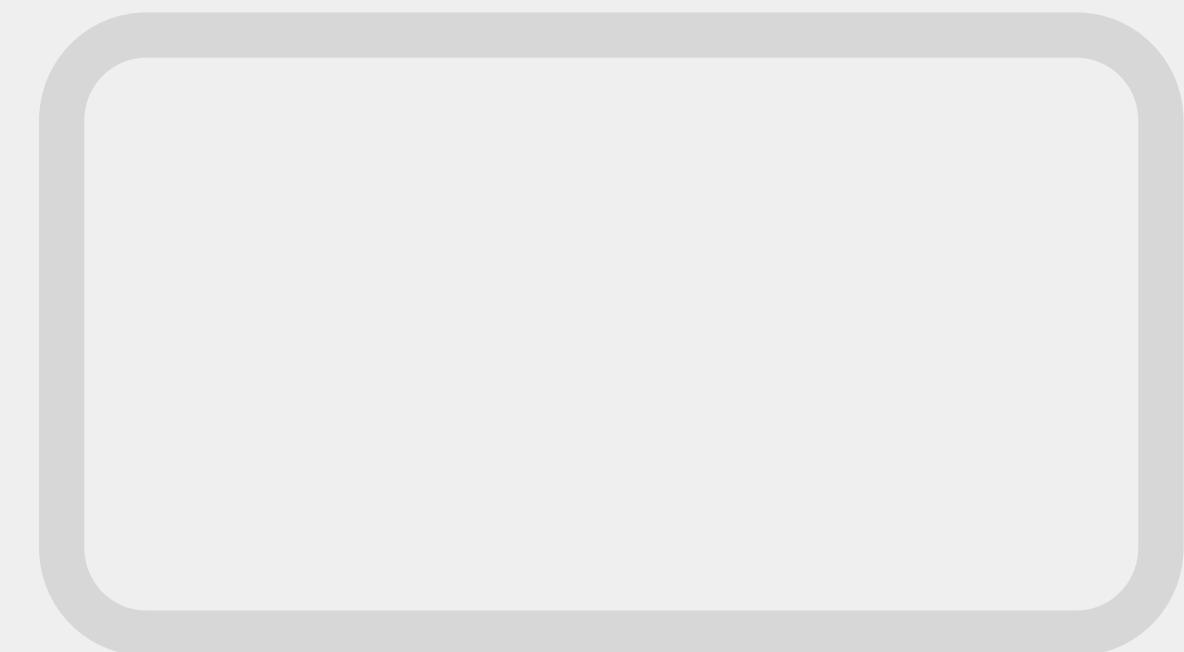
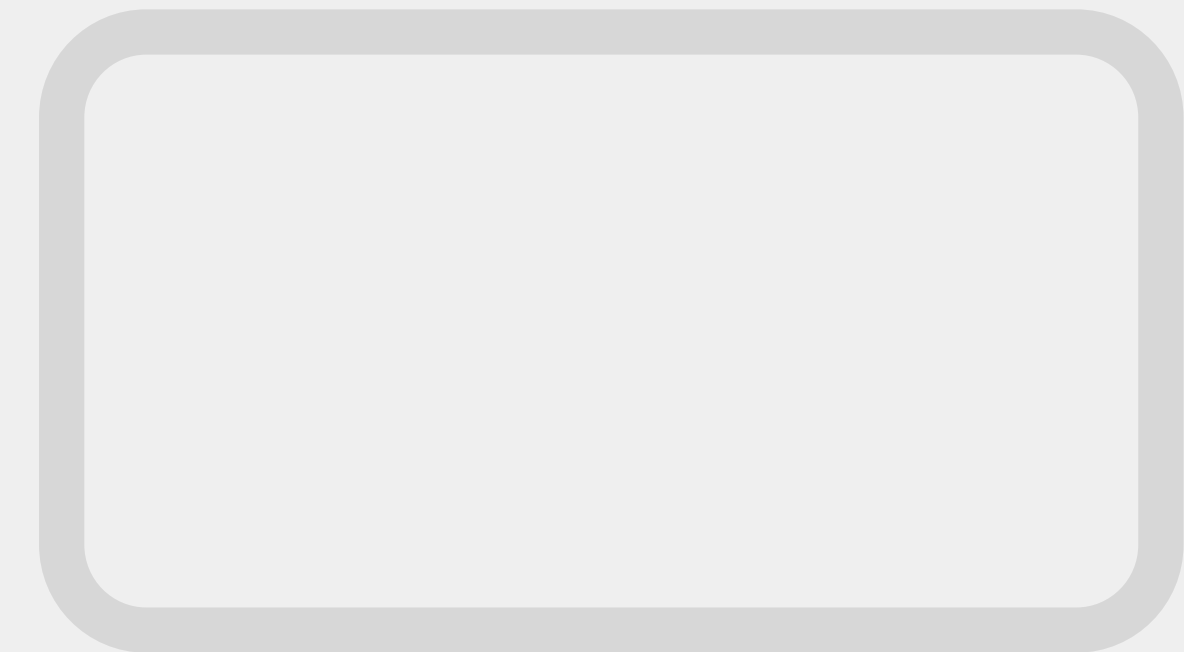
Analysis of data streams in real time

Creation of ETL processes and data warehousing

Distributed data processing with scale-up & out

Pattern and trend detection

Automated decision making



Artificial intelligence, machine learning, robotic process automation



Deliver business value from routine process automation to advanced predictive modeling and automated decisions

Key use cases:

Detecting hidden trends and insights

Infrastructure health checks

Predictive maintenance

Robotic process automation

Chatbots

AI and ML competence

Analysis of data sources and data flows

Construction of predictive models (linear, decision trees, neural networks, DL)

Selection of the right AI and ML technology

Development and implementation of algorithms

Integration into existing business processes and IT tools

Integrations, e.g. with ERP, CRM systems



ARTICHOKE Tech / ARES has extensive experience in developing complex solutions closely integrated with both off-the-shelf and custom BSS and OSS tools.

The main use cases are:

Implementation of new business processes involving legacy systems

Migration of legacy systems to new products and services

Migration to cloud or hybrid infrastructure

Development of new functional tools and applications for legacy systems

Our core competence / our solutions:

Inventory and asset management

Enterprise resource planning

Customer relationship management

Supply chain management

Human resources management

Warehouse management

Cloud - Solutions



We build and maintain SaaS, PaaS, and IaaS solutions utilizing services from leading global CSPs, as well as for local private and hybrid clouds. For example:



ARTICHOK's / DevOps services include the following tools and technologies:

Containerization:



Orchestration:



Monitoring:



Cloud Platforms:



Databases:



How do we Cooperate with clients?

Cooperation models

Project-Based Development

Engage external experts for specific tasks or entire projects, offering flexibility and specialized skills.

Nearshoring

Collaborate with nearby teams for cost savings and cultural alignment with convenient time zones.

Outsourcing

Outsource IT needs to external providers, focusing on core business while leveraging external expertise.

Dedicated Team

Build a team of experts exclusively for your projects, ensuring continuity and scalability.

Time and materials

- The flexibility of this model allows the discussion of specifications and improvement at any stage of project development
- **Strict project management** - and reporting practices enable sufficient control over project development
- The client is billed according to the resources used and the time spent on the project;
- The partnership can last from **3 months** to several years.

The quality delivered by the team

Agile Quality Model

Discovery and Design phase 1

- Team Setup
- Planning and preparation
- Defining the requirements (functional and non-functional)
- Design
- Architecture
- Infrastructure
- Product residue

Initial analysis of requirements, planning, UI / UX design (1.4 sprints) enables:

- Reviewing features and prioritizing them by value and complexity
- Designing a truly flexible and future-proof solution
- Planning an effective communication model
- Ensuring further opportunities to develop multiple functions in parallel

Development - 1 sprint (1-2 weeks) - recurring to the final delivery

- Sprint backlog and planning
- Feature(s)
- “Ready for Release”
- Sprint backlog and Planning
- Feature(s)
- “Ready for Release”

Quality Control

Verified by dedicated audit specialists

- Code review
- Static analysis
- Dynamic analysis
- QA and unit testing
- Continuous integration
- Policies and processes

Continuous competency development

- Best practices and knowledge sharing in the onboarding process.
- Professional training, including external courses.
- Developer conferences and international hackathons

Project team Setup

Core project team
(depends on the project size)

- Team lead
- Project manager
- Business Analyst
- Solution Architect (Discovery phase)
- Front-End Developer/s
- Back-End Developer/s
- QS Ingenieur

Optional or in demand

- Designe
- Usability / Load testing
- Technical staff
- DevOps

Client team

Our team will collaborate and work together (depends from the project) with client team as with: Product Owner; Developer and QS Ingenieur

Communication process

- Sprint planning meetings - at the beginning of every bi-weekly sprint
- Daily Scrum meetings
- Status report updates - daily via email or via project management tools (Jira, Trello, etc.)
- Sprint review, demo and retrospective meetings
- Project managers and team leads are available outside of normal working hours in case of emergencies



Contact us
for **FREE IT**
consultation

EMAIL ADDRESS

MARTIN@ARTICHOKE-HOLDING.COM

PHONE

+43 676 3208880

LOCATIONS

- ARTICHOKE GLOBAL CARE GMBH, AUSTRIA

WEBSITE

WWW.ARTICHOKE.EU/

What happens next?

1.

After analyzing your business requirements, our experts will contact you promptly.

2.

If needed, we sign an NDA to ensure the highest level of privacy.

3.

Our Pre-Sales Manager will provide a tailored proposal with estimates, timelines, and team CVs

4.

The assembled team can begin delivering your IT project within ten business days.