silk data

Efficiency through expertise.

www.silkdata.tech

What We Offer

We have been developing AI models with high data accuracy for more than 10 years, and our key experts have PhD degrees. Our team focused on NLP, AI consulting & development, Machine Learning Engineering, Data Science and application development for the fields of education and e-learning, finance, marketing, retail and ecology. With us, you will have a clear understanding of the entire solution development process thanks to a streamlined process and guaranteed reliable communication. With Silk Data, you can be sure that your data is in good hands.

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Services

- Application development (Mobile development \ Web development)
- DevOps
- AI\ML software development
- AI consulting

Our Tech Stack

Mobile Development

- IOS
- Swift UI
- Android
- Kotlin
- Flutter
- Cordova

Server

- Python
- Node JS
- ASP.NET
- Java
- Hibernate
- Spring

Web Development

- Vanilla JS
- Angular
- PHP
- React
- Vue.js

Databases

- Maria DB
- Oracle
- MS SQL
- MySQL
- Elasticsearch
- Couchbase
- MongoDB
- PostgreSQL
- Vector databases

Artificial Intelligence

- Data analysis
- NLP
- Python
- Machine Learning
- Deep Learning
- OpenCV
- Google APIs
- LLM/ChatGPT

QA

- Selenium
- API Testing
- Appium
- Splinter
- QF-Test

DevOps

- CI\CD (Jenkins, GitLab CI, Bitrise, Ansible, GitHub Actions)
- Containerization (Docker, ECS, EKS, AKS, Helm, Harbor, Nexus)
- IaS (Terraform)
- Observability (Zabbix, New Relic, Prometheus, ELK, Grafana, Sentry)
- AWS
- MS Azure
- GCP
- Hetzner Cloud

Windows Apps

- .NET

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Products & Solutions

- Plagiarism detection system
- ChatGPT integration with customer database
- Large-scale Image Search System
- Web Crawling
- Predictive Analytics
- Text Summarization
- AI-assisted Search
- Contract Analysis
- Semantic Map

Directions

AI consulting at Silk Data specializes in the following areas:

- Data
- Machine Learning
- LLMs & Generative AI
- Artificial Intelligence
- Predictive Analytics
- Advanced Insights
- AI-assisted Search
- AI strategy and development
- Selecting technology and platform
- Anti-plagiarism solutions

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Web Development

Our team is following best practices in designing and developing web applications. We take care of every step of engineering and deployment processes using state-of-the-are tools, frameworks, and software development methodologies, to ensure a high-quality output and a timely delivery.

We have vast experience in creating both enterprise SaaS and B2C applications.

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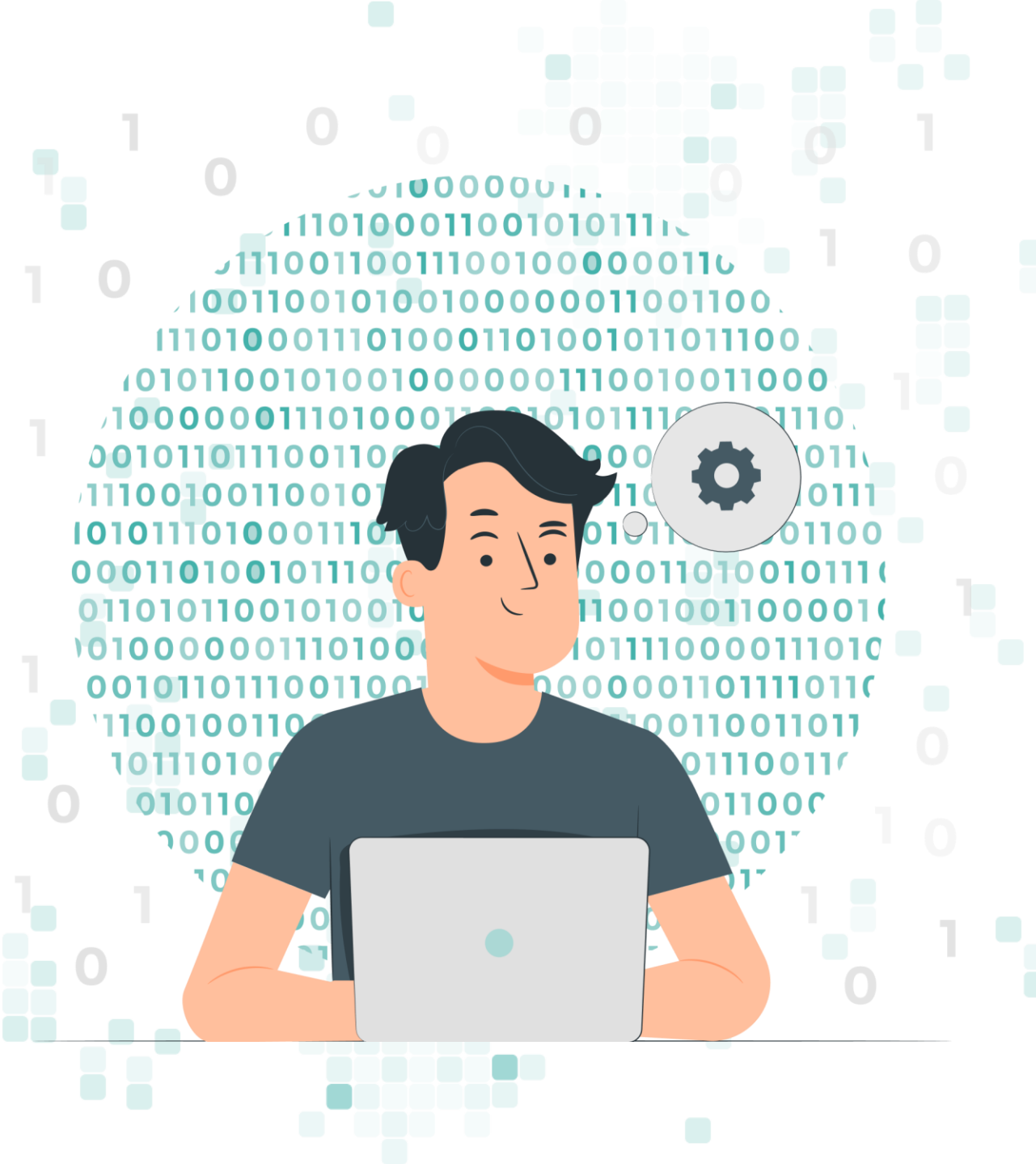
Services

- Business analysis
- UX/UI design (including responsive design)
- Custom development
- CMS development
- Web site migration (case study SHR TYPO3 migration)
- Web site maintenance

DevOps

Our DevOps team perfectly synchronizes software development and IT operations, and is ready to become your trusted partner in achieving agility, reliability and innovation in your business.



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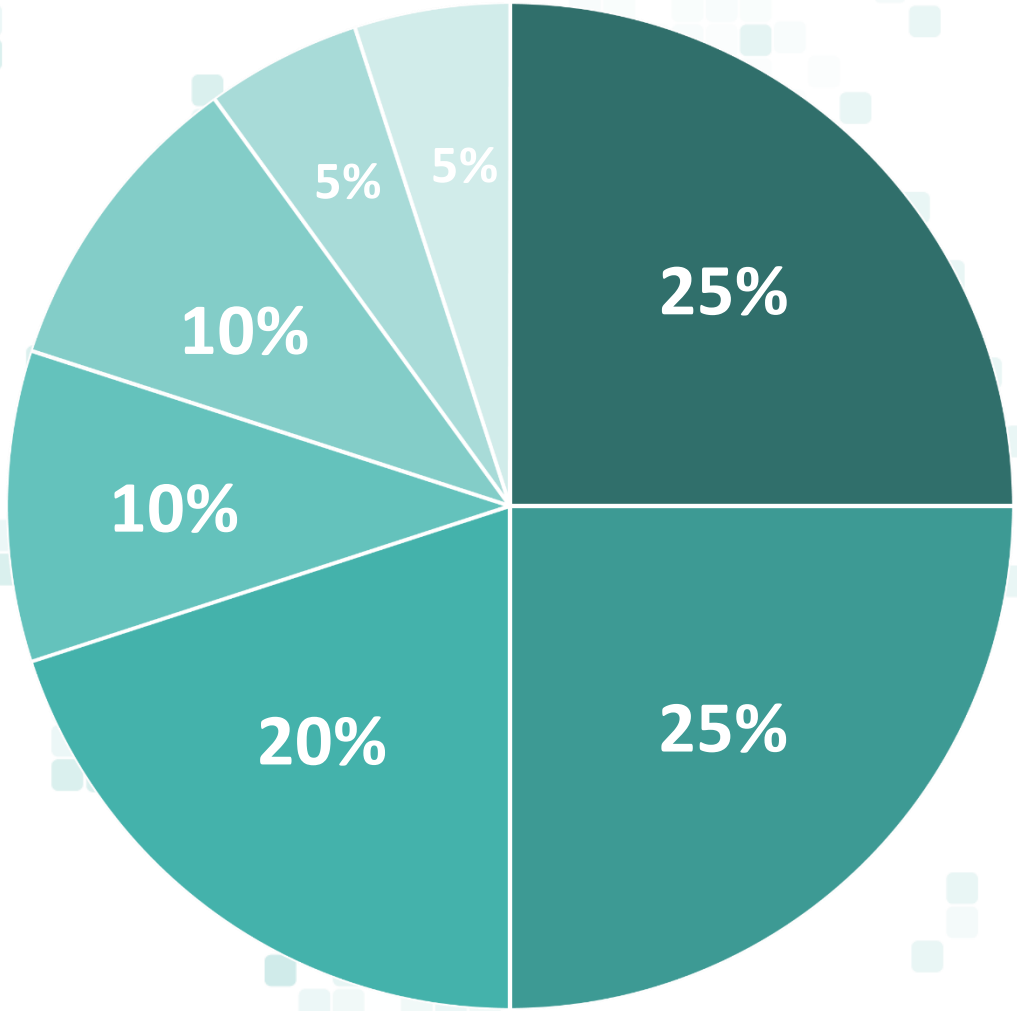
Tasks that our team solves:

- continuous integration and delivery
- infrastructure and configuration management
- cloud computing
- security management
- moving the application to the cloud
- infrastructure as code
- serverless architecture
- implementation of microservices

Industries

We possess comprehensive expertise, working with commercial and public organizations from Europe, Africa and North America. With more than 10 years of experience, we have built a strong team of experts who are ready to start working immediately

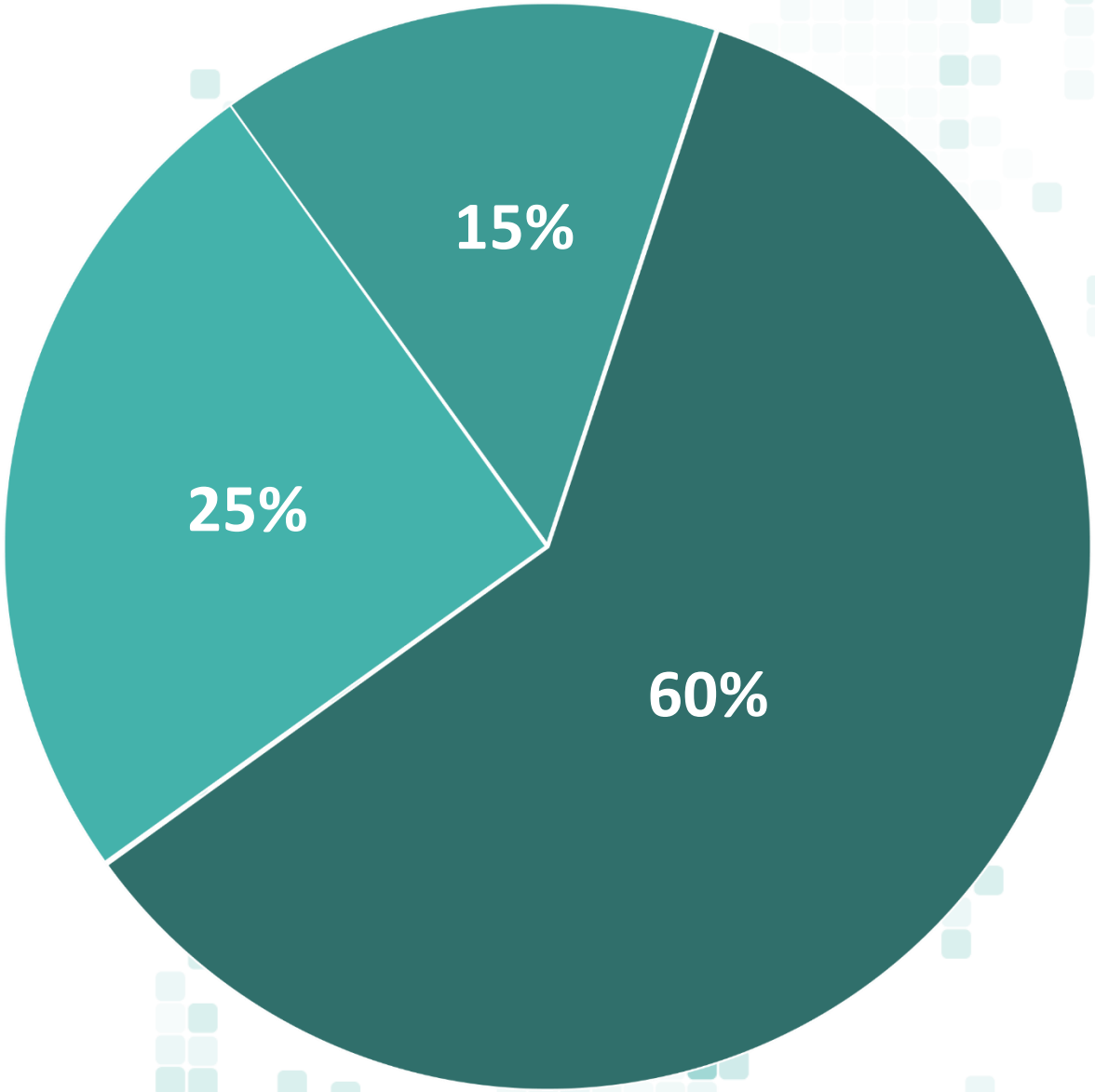
- Education/Publishing – 25%
- Marketing: 25%
- Insurance, Financial services: 20%
- Legal: 10%
- Environment\Ecology: 10%
- Retail: 5%
- Other: 5%



Industries

Over the many years of experience of our team, we have formed a portfolio of loyal clients. We have a clear stability that allows us to maintain long-term relationships.

- SMB – 60%
- StartUps – 15%
- Enterprise – 25%



Industries

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Agile enterprise B2B commerce platform development projects

Ecology: Switzerland, Germany

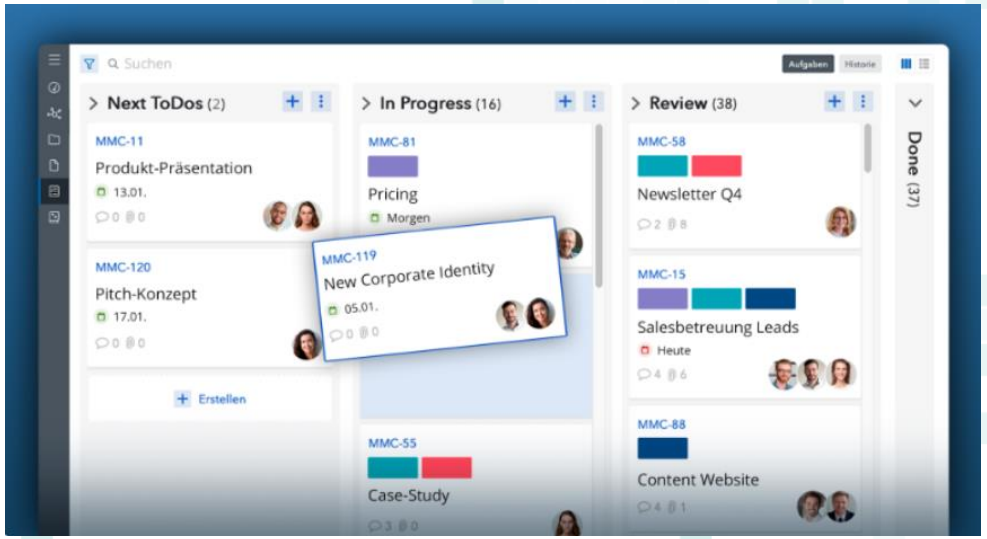
This case study describes how we helped waste management service create a smart waste removal calendar. The calendar allows customers to easily access information about their waste collection schedule, register bulky or green waste online, and manage multiple addresses. The calendar provides analytics and insights on customer behavior and satisfaction.

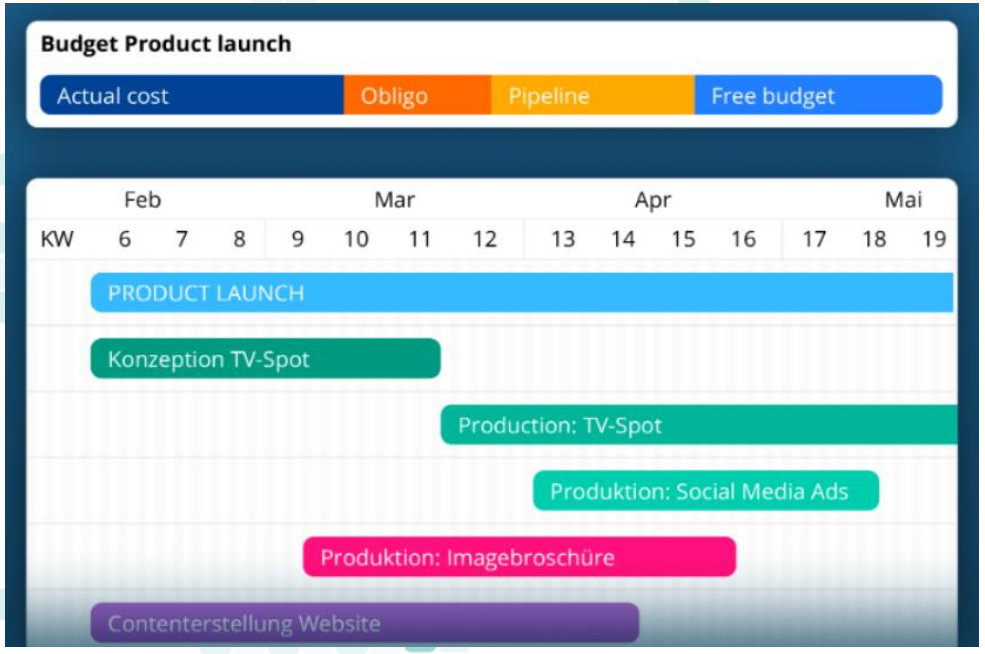
See Case Study

Marketing: USA

MMC is a comprehensive solution for marketing automation software. It represents the combination of classic marketing tools enriched with advanced digital capabilities. Our team was asked to help to create a platform that would be the perfect solution. A user-friendly interface and working principle, built on the Kanban board method, makes the process simple and convenient for everyone. Due to the application, employees can use their saved time more rationally. To achieve the highest level of quality, Silk Data professionals established the server architecture, created the UI and UX concepts, executed the application, and tested it.

See Case Study

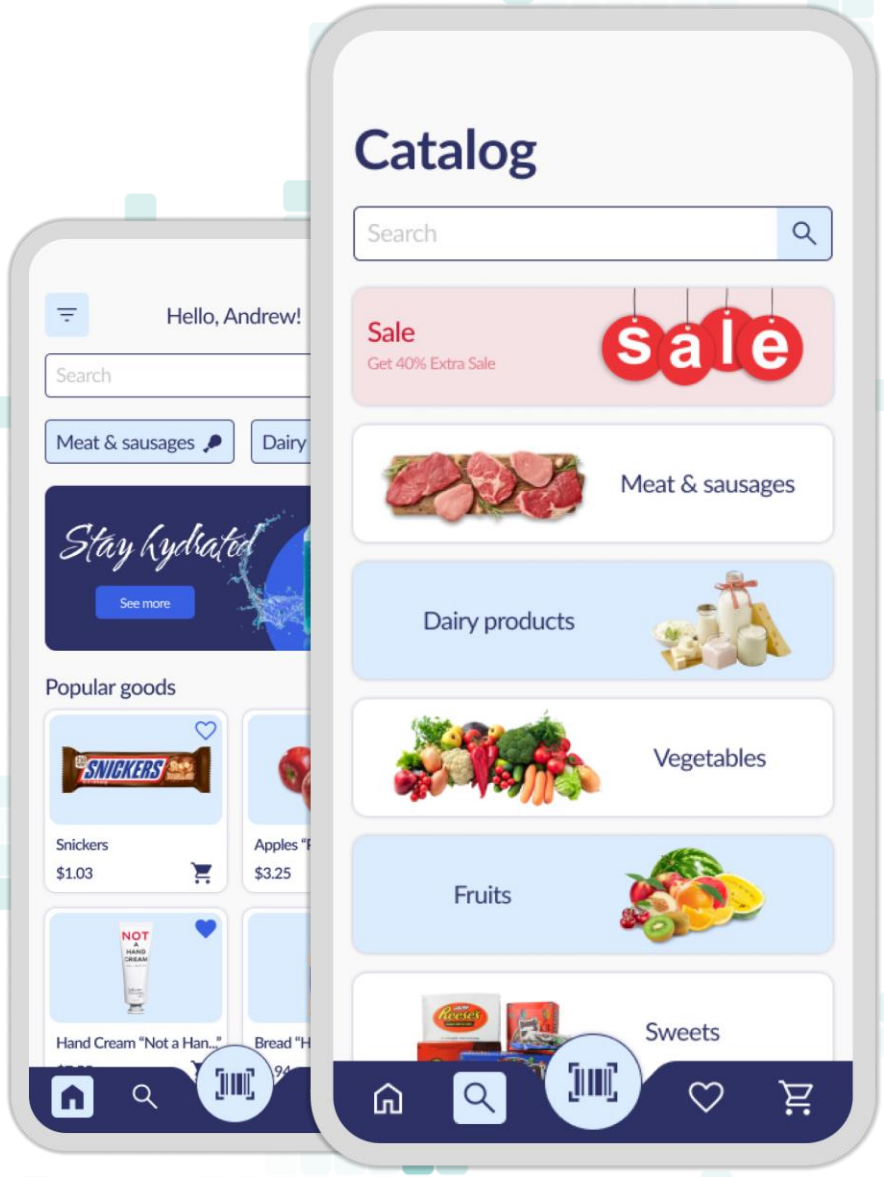




Retail: Germany

This case study describes how we created a mobile application that will help establish communication between customers and stores, with subsequent support. Our client is one of the Top 10 offline German retail corporations that operates a chain of supermarkets around the country. We decided to develop a product that will benefit the business and the customer at the same time and will also help to establish communication between buyers and stores.

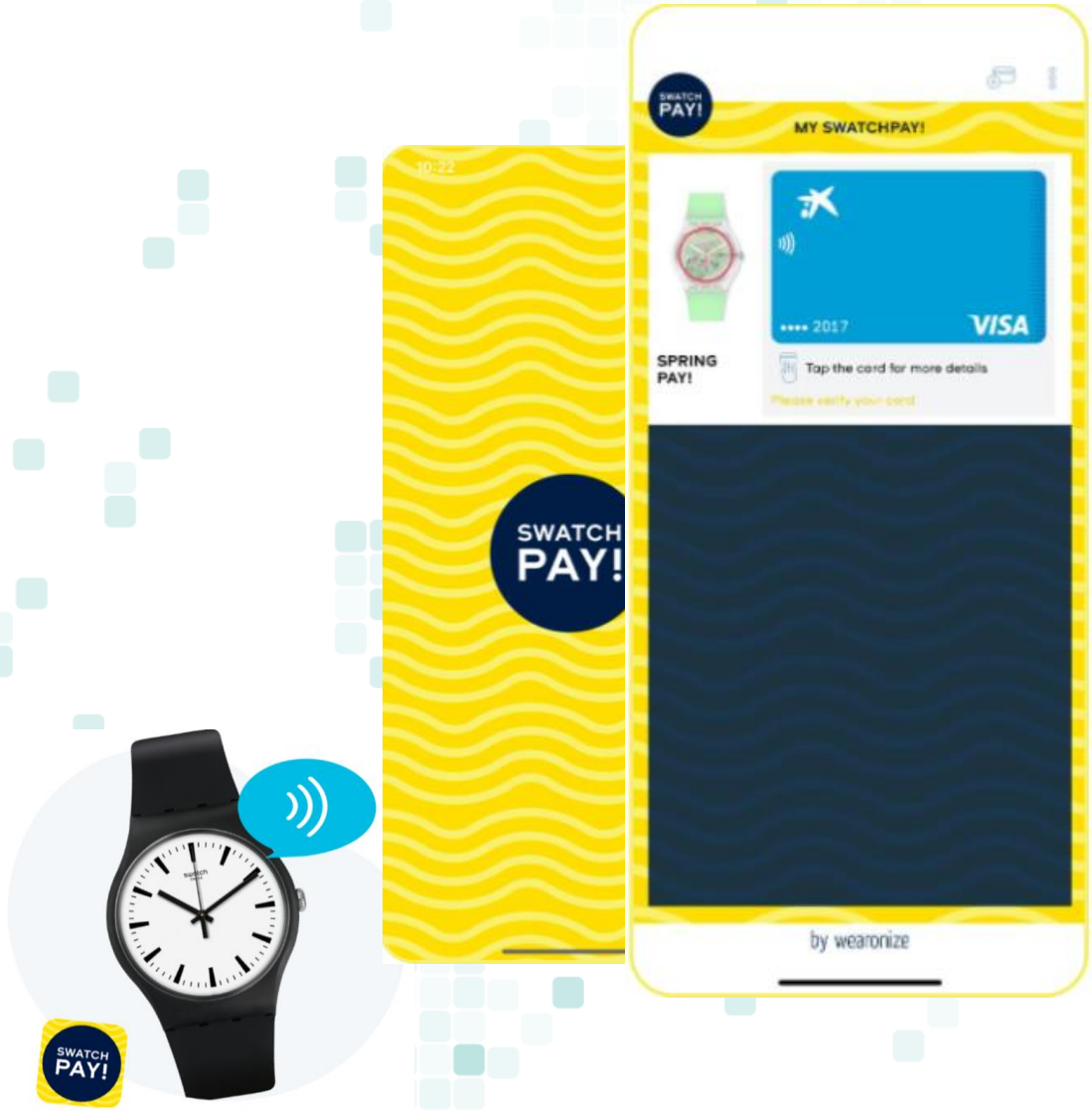
See Case Study



FinTech: Switzerland

SwatchPAY! is a perfect possibility to leave your purse at home. And since everyone can pay with watches, the mobile application is a perfect way to control, organize, and enjoy payments with them. The collection includes an NFC chip that allows customers to use the traditional Swiss design for payments. The chip is actually tiny, which means it doesn't interfere with the development of any watch design. It replaces sensitive payment card data with unique identifiers that contain essential payment information without compromising security. Moreover, with NFC every object can become a means of payment. Check out how we helped create an app for payments with a bracelet.

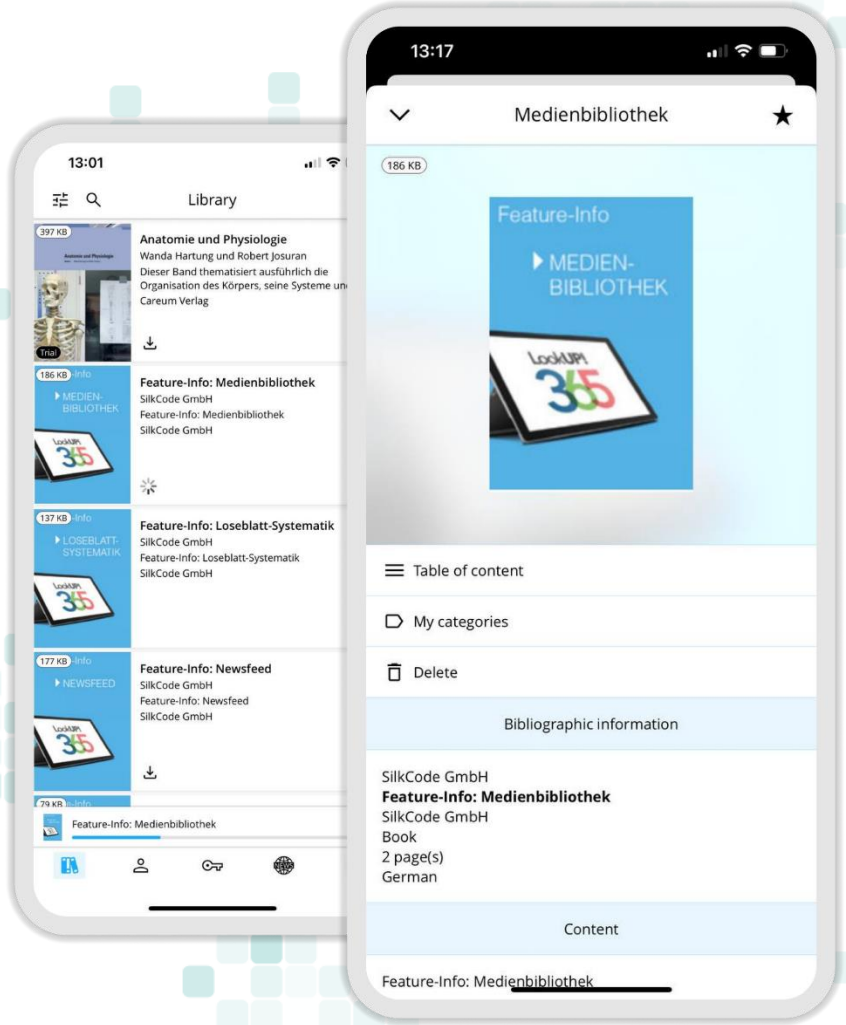
See Case Study



Publishing: Germany

This case study is about how we created a solid and reliable cross-platform (iOS, Android, and Web) e-publishing solution to help businesses take control over digital content distribution. With LookUp!, you can access various publications and annotate them with text, images, photos, or audio. You can also browse pages by thumbnails and filter annotations by criteria.

See Case Study



Case Studies

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Work Process

Work Process

1. **Analysis and Research.** We assess feasibility, define data models, and lay the groundwork for effective implementation.

2. **Hypothesis Testing and Prototyping.** Crucial stages involve experimenting, formulating hypotheses, and providing a Minimum Viable Product (MVP) for immediate marketing strategy development.

3. **Development.** Crucial stages involve experimenting, formulating hypotheses, and providing a Minimum Viable Product (MVP) for immediate marketing strategy development.

4. **Testing.** Integrated testing at every stage ensures bug elimination.

5. **Launch and Technical Maintenance.** Post-successful launch, we provide ongoing technical support, deliver comprehensive project documentation, and assist in updating processes and scaling.

Why Silk Data

Why Silk Data

We partner with you as a fully-committed solution engineers.
By choosing Silk Data as your software development partner, you can benefit from our high level of stability and professionalism.

Our Benefits

1. High stability level
2. Top-notch experts (PhDs in the team)
3. Full-cycle development, integration, testing and support
4. Our developers work on a project with volumes from 3 people months to 50 people years
5. Excellent combination of price & quality
6. The latest technologies and tools to handle large and complex data sets
7. The best practices and standards for data security and privacy
8. A flexible approach to meet the changing requirements and expectations of our clients
9. A proven track record of successful projects and satisfied customers
10. We are always ready to learn new skills and explore new challenges

Guarantees and safety

We strive to provide the highest level of assurance, transparency and security in every project we undertake. Our company Silk Data is ready to cooperate with you for the successful implementation of your IT projects and the security of your data.

Quality assurance.

We ensure high quality services through strict adherence to quality standards and procedures, including internal review and testing processes. Our flexible service level agreements set expectations for timing, quality and availability of services and are documented and regularly discussed with clients based on their needs. .

Areas of responsibility.

At Silk Data, we prioritize transparency and clearly define areas of responsibility in each project. Our team works closely with your company to define roles and responsibilities, ensuring each party's responsibilities are clearly understood to avoid misunderstandings. We work with several software development models such as Scrum and Kanban.

Risk management and crisis response.

We have developed a risk management system that allows you to quickly identify and manage potential problems in a project. In case of crisis situations, we have recovery and business continuity plans. We test results throughout the entire project and work to prevent errors rather than find them.

Ensuring data security.

- Data and code encryption
- Authentication and access control
- Regular audits and monitoring
- Compliance with laws and regulations
- Use of HTTPS
- Employee training and consultation on data security and privacy issues

Documentation.

In our team, we are strict about the documentation process and use documentation in defining project requirements and specifications, in forming the project's technical stack, and in the workflow.

Price Policy

We carefully discuss and formalize payment terms in the contract after assessing the project and agreeing on the team, in order to avoid misunderstandings and disputes in the future.

Fixed price: we determine a portion of the risk based on unknown factors (usually 30% of the main development cost). For small projects (10-15 thousand) prepayment is not required, but for large projects prepayment is required.

Hourly rate: Developers are paid for each hour worked.

For Time and Materials projects: We provide weekly detailed reports of time spent (along with invoice). This can be a monthly payment or payment in separate stages.

Equity Share: In some cases, Silk Data may agree to have an equity interest in the client's business, receiving a share of profits or an equity stake in the company in lieu of payment for services.

Hybrid models: In some cases, we offer a combination of several of the above payment forms for more flexible project management.

For product: We charge a monthly license and support fee. If the customer requires customization, additional features or integrations will incur a fee.

Our Locations

Poland
Silk Data sp. z o.o.
Domaniewska 17/19, off. 133
02-672 Warsaw, Poland
+48 452 380 167

Germany
SilkCode GmbH
Luisenstraße 62, D-47799
Krefeld, Germany
+49 2151 387 3531

Contact Us: info@silkdata.ai

Contacts

Germany
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Thank You For Your Attention!