



IT Solutions and Services for Healthcare

Driving project success in healthcare no matter what

Key Facts

ScienceSoft is an international IT consulting company, an expert in design, development and delivery of healthcare software solutions.

20

years in
healthcare IT

750+

professionals

150+

successful
healthcare projects

Processes

in compliance with ISO
13485 and ISO 9001



Our Mission

Driving Success in Healthcare IT Projects No Matter What

We deliver solutions that reduce care delivery costs and improve outcomes, even amidst **diverse expectations of medical staff, shifting priorities, and resistance to change.**



Our Clients

Delaware Valley
Community Health, Inc.

Child Mind
Institute

RIVANNATM
Guiding Advancements In Ultrasound

REALTIME
CLINICAL TRIAL MANAGEMENT SYSTEMS

Baxter

 **ScribeAmerica**

MDxHealth


PerkinElmer

Bluestone
Physician Services

 **AKLOS Health**

 **Qventive**

POG
PROGNOSTIC
OPTIMIZATION GROUP

bioAffinity
TECHNOLOGIES

 **MALMÖ**
UNIVERSITY

HEALTH
GROUP
– det starter med viden

 **CONWORX**
Competence in Healthcare

IntelleWave
Fully automated
Autonomic Nervous System
quantitative assessment

reconice
We Value Your Recognition

Our Healthcare Clients Say



Thanks to ScienceSoft's practical healthcare IT expertise, we created a musculoskeletal therapy platform that can be fully customized and reflect the needs of each program member.

Patrick Pakan

Founder and CEO, AKLOS Health



ScienceSoft brings top quality talents and deep knowledge of IT technologies and approaches in accordance with ISO13485 and IEC62304 standards.

Sergey Shleev

Prof. Dr. Department of Biomedical Science,
Malmö University



ScienceSoft provided us with the proper documentation agreed upon during the initial stages. They had quick turnaround times for PEN Testing, less than 2 weeks!

Daniel Diaz, BS

Documentation and Compliance Specialist,
RealTime-CTMS



During the project flow we were very pleased by the work of ScienceSoft's business analysts and developers, who demonstrated high level of skills and competence.

Marina Schommer

Chairman & CEO, Montex Swiss AG



Whom We Serve

- Hospitals and health systems
- Medical centers
- Home care providers
- Laboratories
- Medical device manufacturers
- Digital health providers
- Clinical research orgs
- Pharmaceutical companies
- Health insurance companies (payers)



Our Services



IT consulting

We **optimize IT operations** to increase their value for providers and patients.

- Digitalization strategy (business-IT alignment)
- Refined IT operating model
- Roadmap on new solution/technology implementation



Software development

We implement and launch **cost-effective and efficient IT solutions:**

- Critical applications, e.g., EHR, RCM.
- Patient-facing applications
- Data analytics and BI

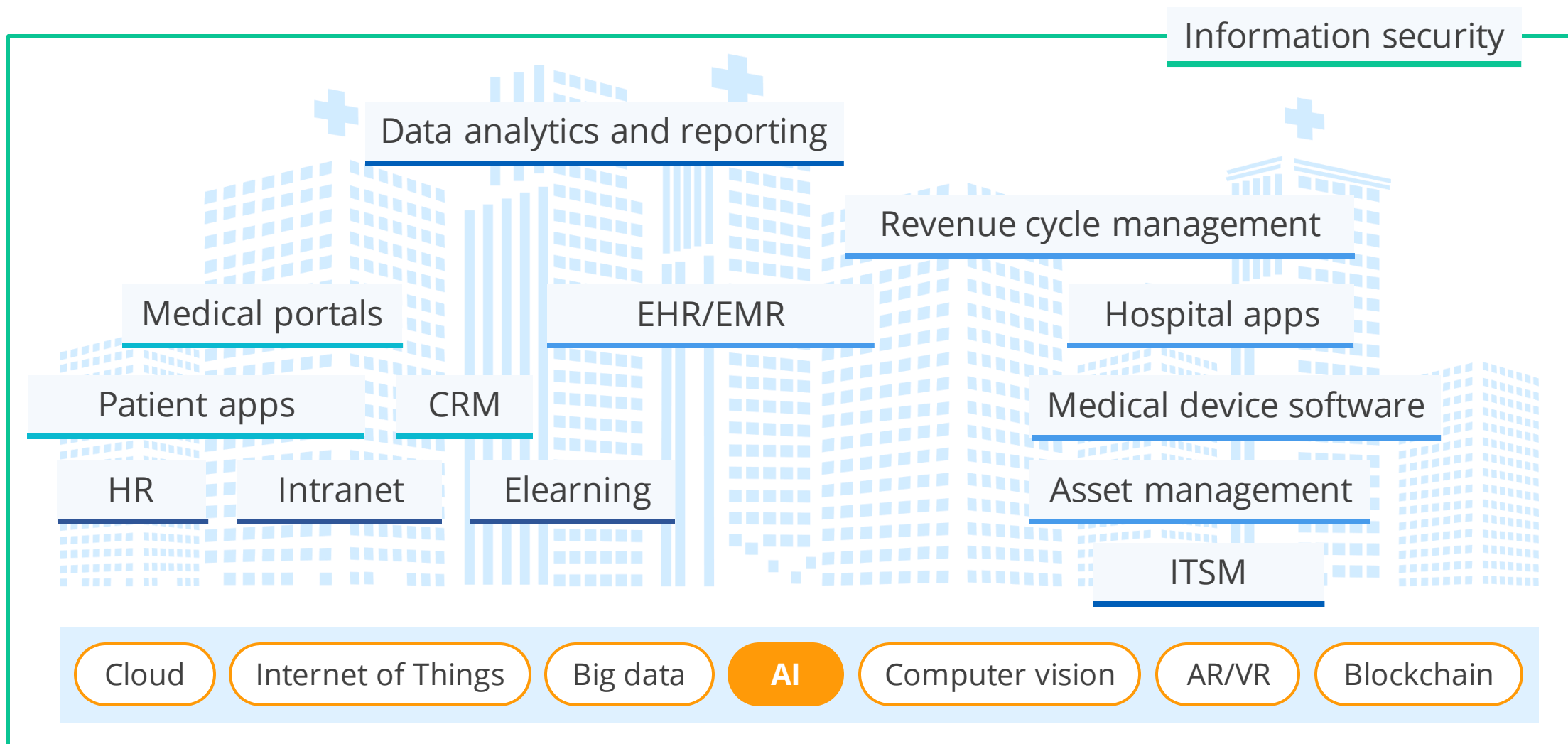


IT outsourcing

We cover **30-100% of healthcare IT operations:**

- IT service planning, management, and evolution
- Managed IT services: infrastructure, application and help desk services, software development and QA

Solutions We Implement and Support

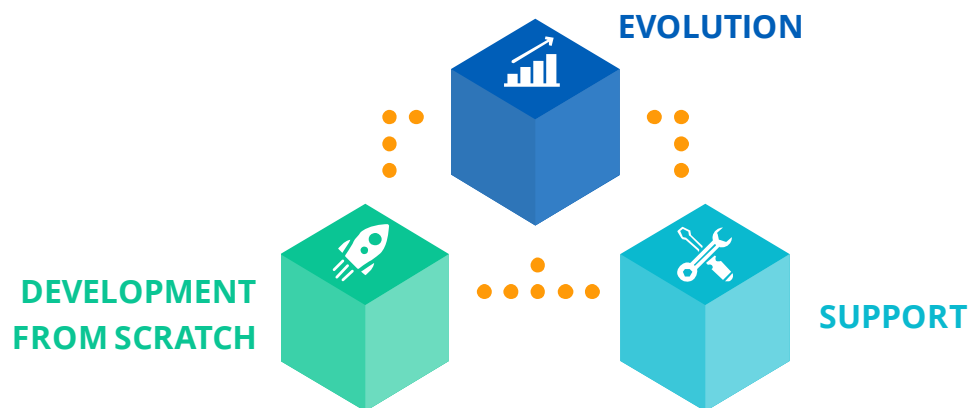


Healthcare Software Development

When rendering healthcare software development outsourcing services, we support two project formats:

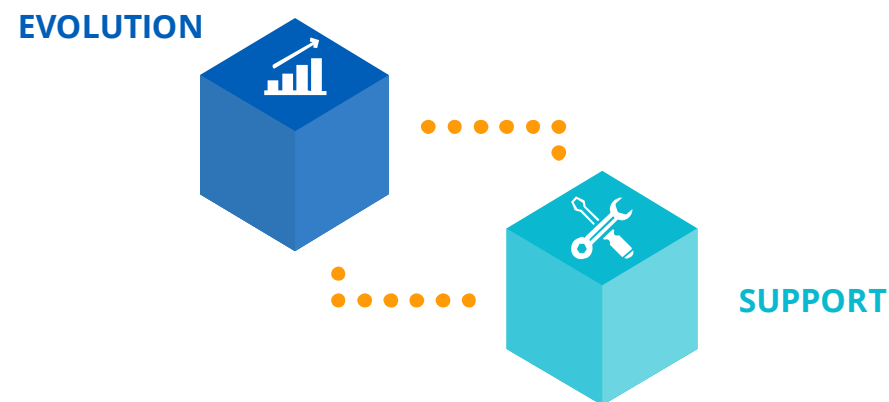
New applications

developed from scratch, put into production and evolved further



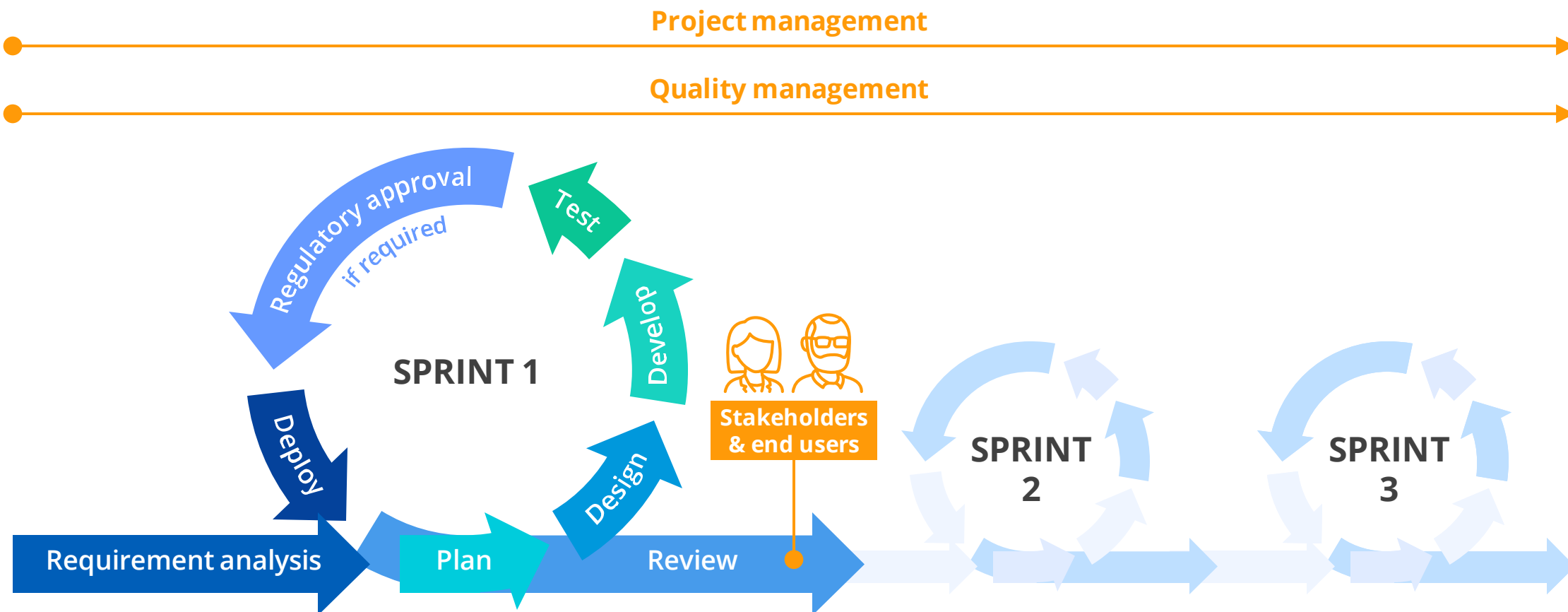
Existing software

that requires continuous support and evolution



Software Development Outsourcing

To reduce your time-to-market, we utilize **agile iterative development**:



Software for Care Management

Convenient solutions to optimize and automate daily clinical routine:



Task-oriented approach

User-friendly UI/UX design

Integration with multiple internal systems

Security assurance

Software for Care Management

Care coordination software

Provides care teams with shared workspaces, AI-prioritized task lists, and patient status updates; supports cross-setting data exchange.

Disease management and clinical decision support tools

Assist clinical decision-making with AI-driven risk stratification, protocol adherence checks, real-time alerts, and treatment guidance.

Mental and behavioral health apps

Support remote sessions and crisis interventions via secure apps with embedded AI for mood analysis and adherence monitoring.

Care management systems

Monitor care delivery across provider networks with utilization tracking and verification of diagnosis-procedure alignment via AI models.

Referral management solutions

Automate referral routing, appointment tracking, and follow-ups; offer NLP-enhanced referral document capture and smart validation.

Health and wellness management apps

Offer guided self-care, personalized plans, and gamified motivation tools; integrates into analytics platforms for population health insights.

Health Information Management Software



EHR and EMR

Capture and manage structured clinical data, support order entry and clinical workflows; offer FHIR APIs and AI capabilities for medical coding.



Medical coding solutions

Use AI to automate CPT/ICD code assignment, diagnosis and procedure alignment validation, and controlling compliance with payer policies.



Mid-revenue-cycle (HIM) software

Consolidates coding, documentation, and charge capture into a unified workflow; flags anomalies in service utilization to ensure accurate claims.



Health information exchange portals

Enable secure clinical and billing data sharing via HL7/FHIR, AI-assisted patient record reconciliation, search, and public health reporting.



Clinical documentation management systems

Identify gaps in clinical records, auto-generate clarification queries, and ensure audit readiness via compliance controls.



Healthcare data warehouses and analytics solutions

Ingest, normalize, and store EHR, billing, and operational data in structured repositories; offer care quality analytics and operational insights.

Patient Engagement Software



Patient portals for healthcare providers, medical laboratories, pharmacies, and clinical trials

Provide patients with secure 24/7 access to PHI, AI-powered navigation of care content, and self-service tools via HIPAA-compliant cloud portals.



Software for remote patient monitoring and chronic disease management

Enables continuous patient oversight via IoT-connected devices, automated trend analysis, and clinician alerts; integrates with EHRs.



Solutions for patient self-scheduling and administration

Let patients book and reschedule appointments, complete pre-visit forms, and update personal data; syncs with EHR and PMS calendars.



Customer relationship management (CRM) solutions for healthcare

Orchestrate omnichannel outreach, automate AI-driven patient segmentation, and track interactions across touchpoints.



Telemedicine apps

Enable secure video visits, e-prescriptions, and AI-assisted triage; integrate appointment scheduler and support EHR data retrieval.








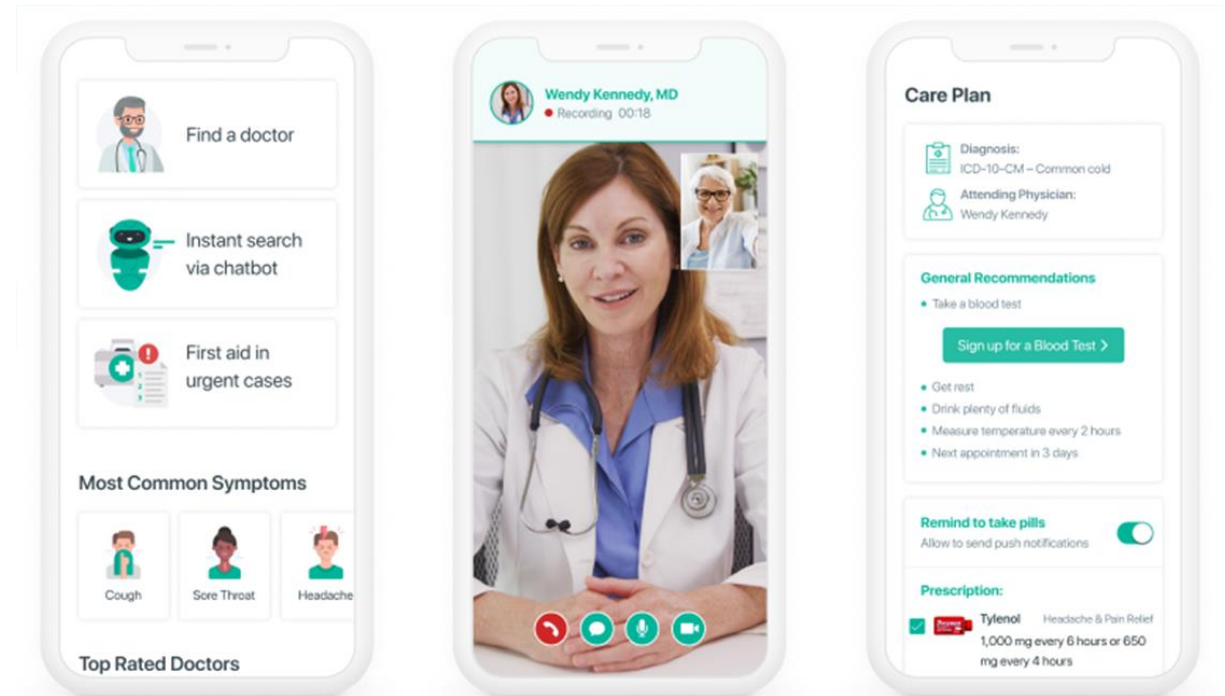
Medical AI chatbots

Provide 24/7 conversational support for routine queries and appointment booking; learn from past interactions to improve response accuracy.

Mobile Patient Apps

Mobile solutions to engage patients in their care:

-  Health tracking
-  Remote consultations
-  Chronic disease management
-  Nutrition
-  Health education



Medical IoT Solutions

IoMT solutions automate the daily tasks of medical staff by leveraging data analytics and the network of smart devices and sensors connected to the cloud. ScienceSoft strives to help healthcare providers enhance healthcare services with reliable and secure solutions tailored to their specific needs:



IoT for
medical
devices



Hospital asset
tracking with
IoT and RFID



IoT-based
patient and
staff tracking



Additional IoT-based
components of a
smart hospital

Medical SaaS Development

Modern and
mobile-friendly design

Content
personalization

Web **analytics**

**Patient
engagement** tools

Integration with
internal systems

Embedded **patient
portal**



CRM Systems



Dynamics 365

or

Custom CRM

Solutions for relationship management with:

- Patients
- Physicians



Secure,
real-time access
to patient data



Coordination of patient
activities among
clinicians, departments
and agencies



Managing
referrals from
affiliated
physicians



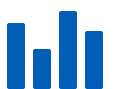
Chronic
condition
management

Data Analytics and Reporting



Healthcare data warehousing and analytics

- Securely consolidating structured and unstructured data from EHR, LIS, RCM, patient portals, RPM systems, and more.
- Automated data segmentation by patient demographics, physician, facility, condition.
- Identifying trends, dependencies, and issue root causes in operational and health data.



Custom visualization and reporting on:

- Patient and population health.
- Care value and medical staff performance.
- Financial and operational metrics, marketing effectiveness, and more.



Secure AI Solutions for Healthcare

Diagnostics and treatment

- **Image analysis:** AI processes medical images (X-rays, MRIs) to detect diseases with high precision.
- **Tailored treatment plans:** AI creates personalized care strategies based on individual patient data.
- **Drug selection:** AI identifies the most suitable medications and optimal dosages to prevent adverse events, incl. for multi-disciplinary care.
- **Pattern recognition:** AI identifies patterns and trends in patient data that humans might overlook.
- **Disease progression prediction:** AI helps identify potential complications and promptly adjust the treatment plan.

Administrative automation

- **Patient records management:** AI streamlines clinical documentation through speech-to-text notation, smart entry suggestions, and more.
- **Medical billing:** AI identifies insurance fraud or errors in submitted claims and automates the medical coding process.
- **Scheduling:** AI assigns optimal staff schedules and appointment times and duration.
- **Asset management:** AI predicts demand and optimizes the use of facilities, equipment, and consumables to maximize availability and reduce spend.

Patient management

- **Virtual assistants:** AI-powered assistants and chatbots provide 24/7 support, help gather patient data or schedule appointments, and send personalized reminders to patients.
- **Remote patient monitoring:** AI tracks real-time data from medical devices and wearables and sends alerts in case of anomalies.

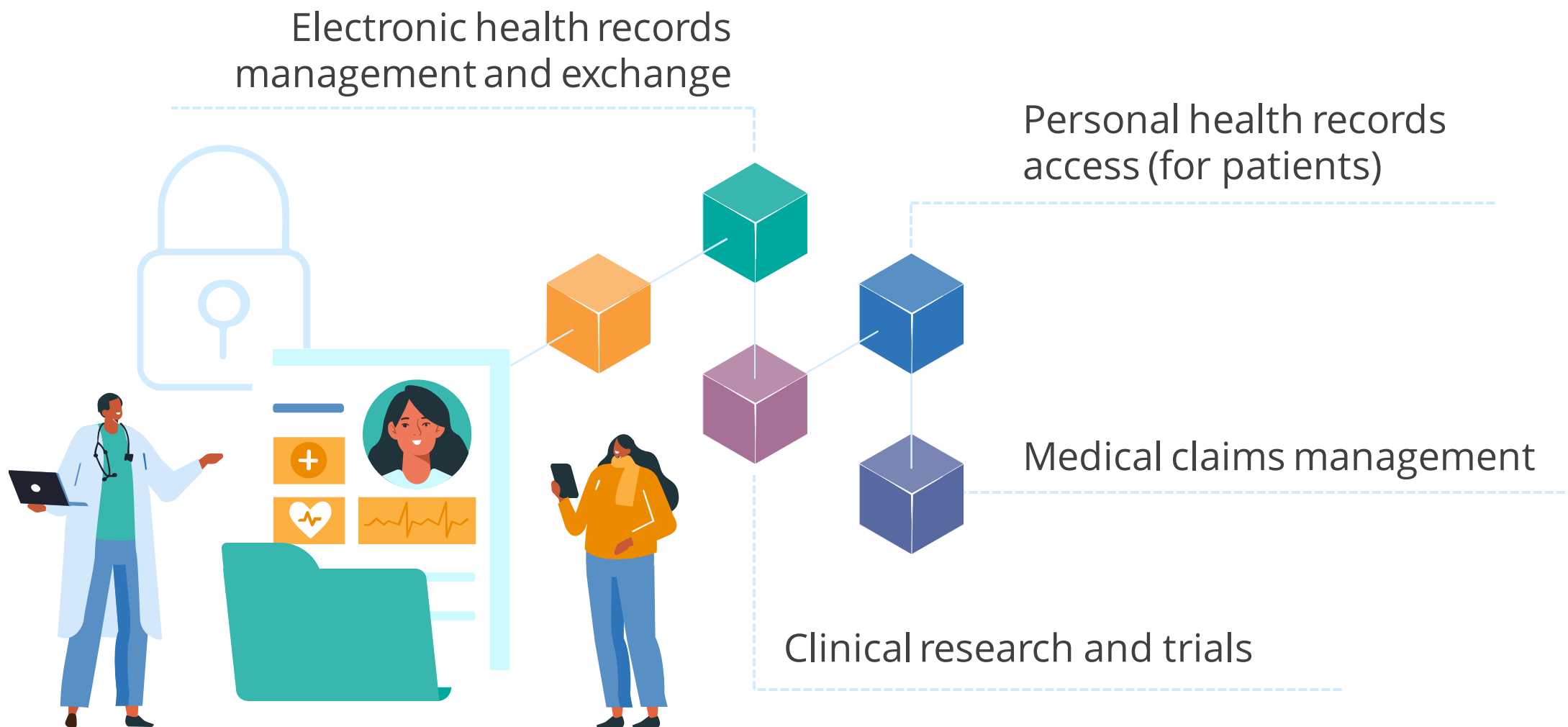
We develop medical AI solutions in line with **ISO 13485** and **IEC 62304** to ensure software safety and streamline FDA clearance or CE mark issuing (if required).



ISO 13485

LL-C (Certification)

Blockchain for Medical Records



Microsoft Cloud for Healthcare

ScienceSoft implements tailored, HIPAA-compliant solutions based on the technologies behind Microsoft Cloud for Healthcare.



Patient management

Patient profile and appointment management, FHIR-enabled integration with health records, care plan management.



Care team management

Assigning roles and tasks, email or chat communication between members.



Patient and care analytics

Patient segmentation, appointment and visit analytics, patient progress reporting.



Patient engagement

Secure and user-friendly portals for appointment scheduling, care progress tracking, patient-doctor communication, and more.



Smart assistance tools

To automatically summarize visit information, create, edit, and navigate patient records, provide clinical decision support, etc.



Workflow automation

Automating medical staff onboarding, clinical documentation processing, and more.



Patient outreach

Multi-channel communication, automated patient reminders, analytics for personalized outreach.

Microsoft tools and platforms we use:



Dynamics 365



Azure



Power BI



Power Automate



Power Apps



Power Pages

Our Technology Competencies

Front end



Back end



Mobile



Databases



Big data



DevOps



Cloud

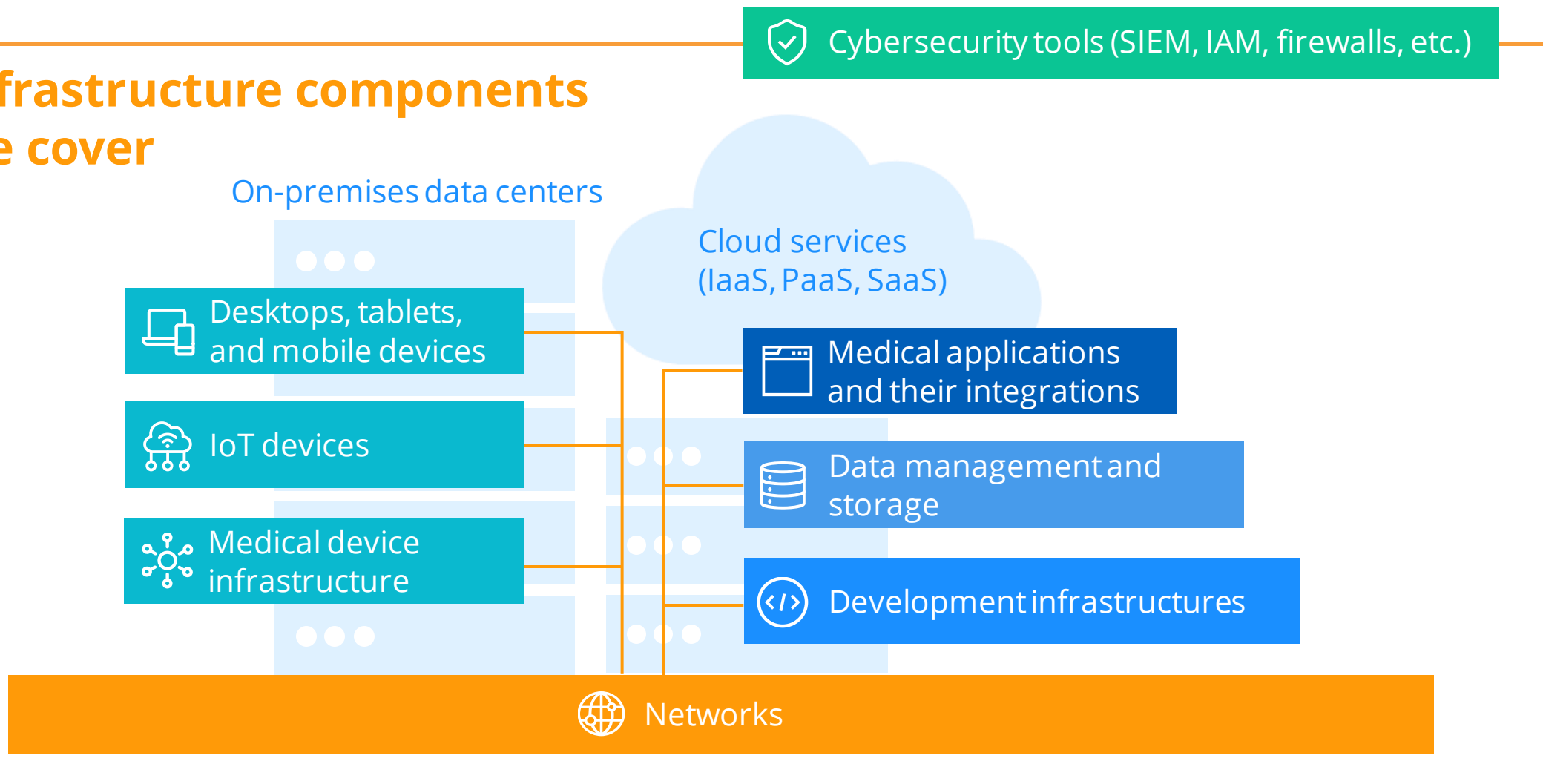


Software platforms



Managed IT Services

Infrastructure components we cover



Cybersecurity Services



- **Cybersecurity program assessment, development, or improvement**
Our programs include establishing security controls on the management, operational, and technical levels.
- **Offensive security services**
Including penetration testing, vulnerability assessment, DDoS testing, Red team assessment, social engineering simulation, and OSINT.
- **Defensive security services**
Infrastructure security audit to assess the viability of your security policies and procedures, security monitoring tools, physical access control, etc.
- **Compliance assessment and consulting**
To ensure compliance with HIPAA, PCI DSS, ISO 27001, SOC T1/T2 and other regulatory standards.
- **Security risk management**
Eliminate security vulnerabilities, advise on the industry trends, and implement the most suitable ones to minimize risks.

Success Stories

See how we drive healthcare IT initiatives to success despite time, budget, and technology constraints and demanding regulations



Mental Health Software Revamp for NGO Serving 15,000+ Patients

Client

A US-based NGO conducting behavioral science research and delivering mental health care for 15,000+ patients.

Solution

ScienceSoft redeveloped and refactored the cross-platform mental health mobile app, clinician web app, and supporting systems. The client received a secure and high-performing solution with full documentation.

Tools & Technologies

React.js, React Native, TypeScript, Python, Firebase, Redis, PostgreSQL, AWS.

[Project details →](#)



ISO 12052-Compliant DICOM File Generation and Sharing Software Delivered in 4 Months

Client



A US-based provider of ultrasound medical devices and imaging solutions.

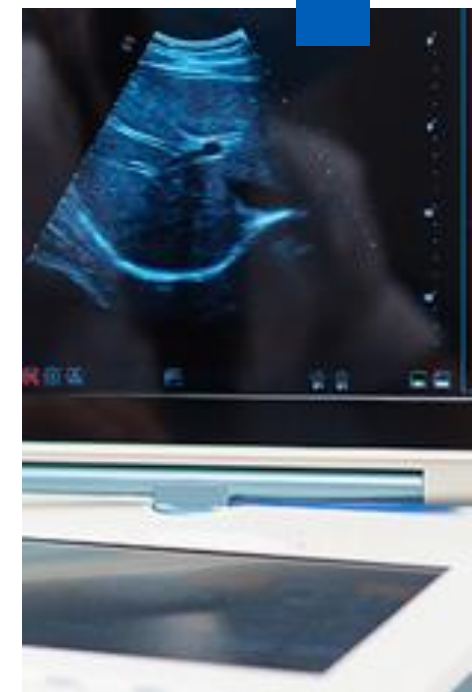
Solution

ScienceSoft created a technical design and built a DICOM file generation and sharing module for RIVANNA's ultrasound scanners software. The solution fully meets the requirements of the ISO 12052 standard.

Tools & Technologies

.NET 6.0, .NET MAUI/WinUI 3, Fellow Oak DICOM toolkit, DICOM.

[Project details →](#)



Lung Cancer Detection Application for bioAffinity Technologies

Client



A biotech company developing early-stage lung disease diagnostic tests.

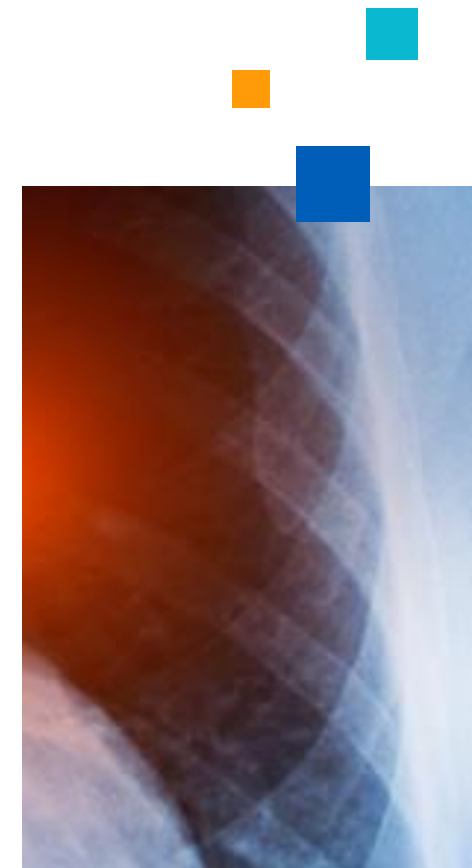
Solution

Within 2 months, ScienceSoft delivered an IVDR-compliant desktop app supporting lung cancer detection and ensuring 100% stable generation of diagnostic reports from flow cytometry data.

Tools & Technologies

C++, R, HL7, Docker.

[Project details →](#)



EHR-Integrated Telehealth Portal Attracting 10 New Patients Daily

Client

A rapidly growing NYC-based business that runs several medical practices and provides primary, urgent, and family care services.

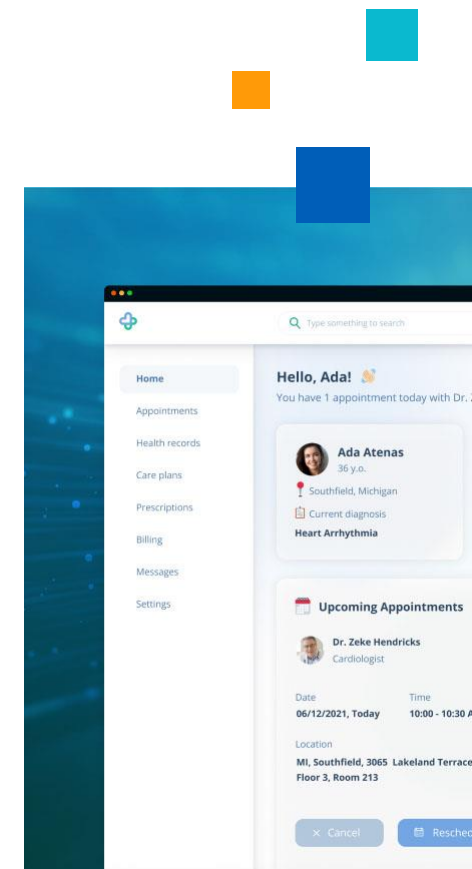
Solution

ScienceSoft planned and developed a patient portal and a cross-platform mobile portal with telemedicine functionality. Three months after the launch, the EHR-integrated solution has attracted over 1,500 patients.

Tools & Technologies

React Native, React.js, TypeScript, Node.js; Amazon Route 53, Amazon CloudFront, Amazon S3, AWS Amplify, AWS Lambda, Amazon CloudWatch.

[Project details →](#)



CE-Marked Laboratory Diagnostics Software Delivered in 7 Months

Client

A European manufacturer offering genetic screening kits for diagnostic laboratories.

Solution

ScienceSoft developed laboratory diagnostics software for quality assurance and interpretation of genetic screening results in accordance with IVDR, IEC 62304, ISO 14971, ISO 13485, IEC 82304-1 requirements.

Tools & Technologies

Qt, Qt QML, C++, JavaScript, Git, CMake, NSIS, Doxygen, SQLite.

[Project details →](#)



BI Implementation for 200 Healthcare Centers

Client

200 US healthcare centers and retirement homes.

Solution

ScienceSoft created a system of 200 databases for data management and reporting on medication inventory, clinical services, patient data, marketing activities and others.

Tools & Technologies

MS SQL Server, Transact-SQL, JReport.

Project details →



Support of a Knowledge Management Solution for a Pharmaceutical Company

Client

A multinational pharmaceutical company with operations in over 150 countries and \$15+ bn revenue.

Solution

Continuous multi-tier (L1–L3) support of a knowledge management solution that is applied in drug discovery, medical diagnostics, and other human and environmental health areas.

Tools & Technologies

Atlassian Jira, VMWare, .NET, Microsoft IIS, Putty, WinSCP, SQL Developer, Toad, Box, GoToMeeting, Salesforce Service Cloud.

[Project details →](#)



Help Desk Setup and Proactive L1 Support for a Healthcare Provider

Client

An international healthcare solutions and services provider with 4,000+ outpatient centers.

Solution

ScienceSoft established a robust help desk process to support the users of the internal software employed by a healthcare provider. For over two years already, our support agents have been in charge of L1 issues.

Tools & Technologies

Jira Service Desk, Amazon Connect, Microsoft Teams, Microsoft Outlook.

[Project details →](#)



Network Pentesting and a Phishing Campaign for a US Healthcare Provider

Client

A large US healthcare provider with 10+ facilities that offer general and emergency care, surgery, dentistry, laboratory and imaging services.

Solution

ScienceSoft's team performed black box penetration testing, gray box penetration testing of the corporate network, and simulated email phishing attacks for a US healthcare provider with 10+ facilities.

Tools & Technologies

Metasploit, Nessus, Zenmap, OWASP ZAP, Wireshark.

[Project details →](#)



Let's Make Your Project a Success!

