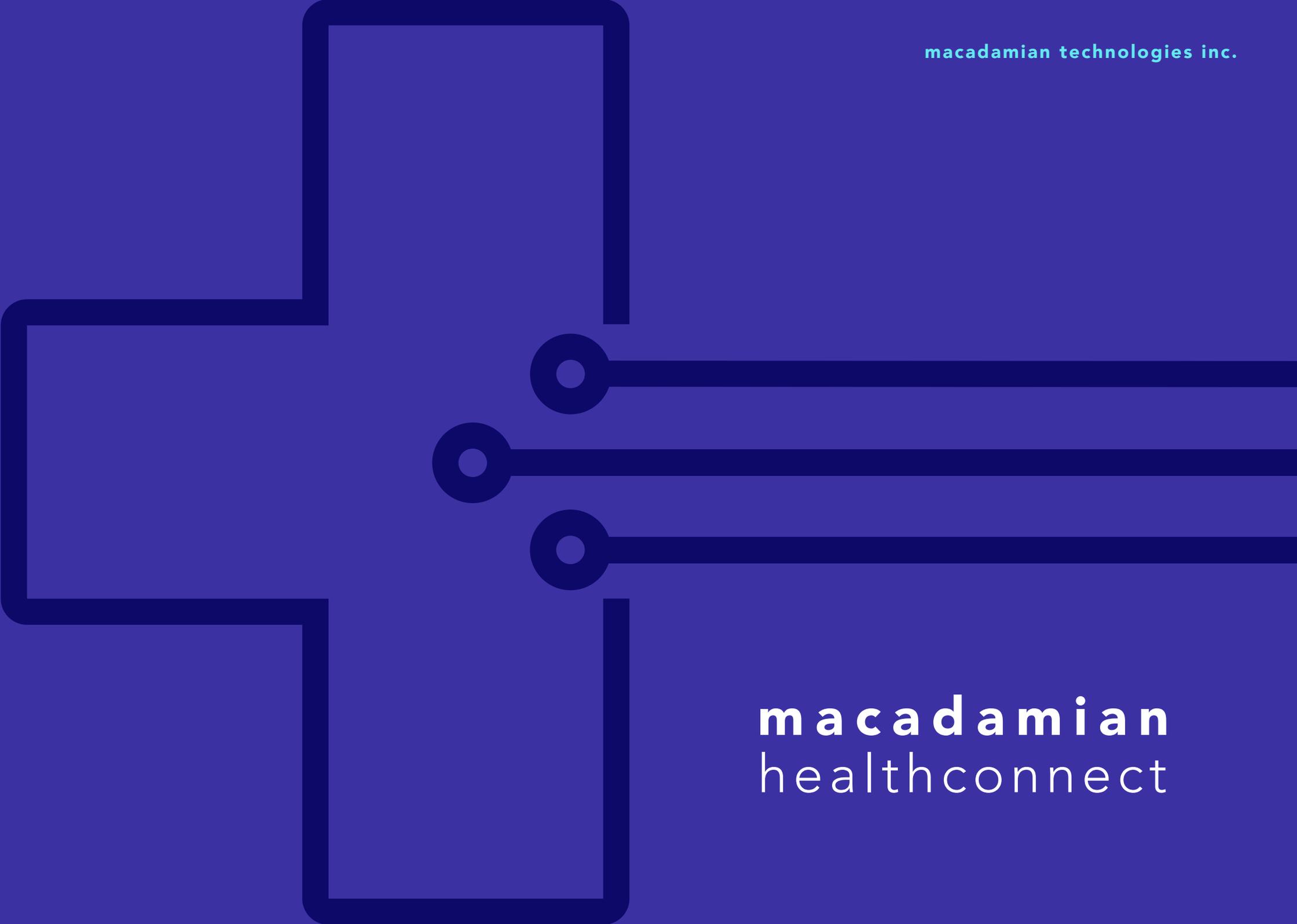
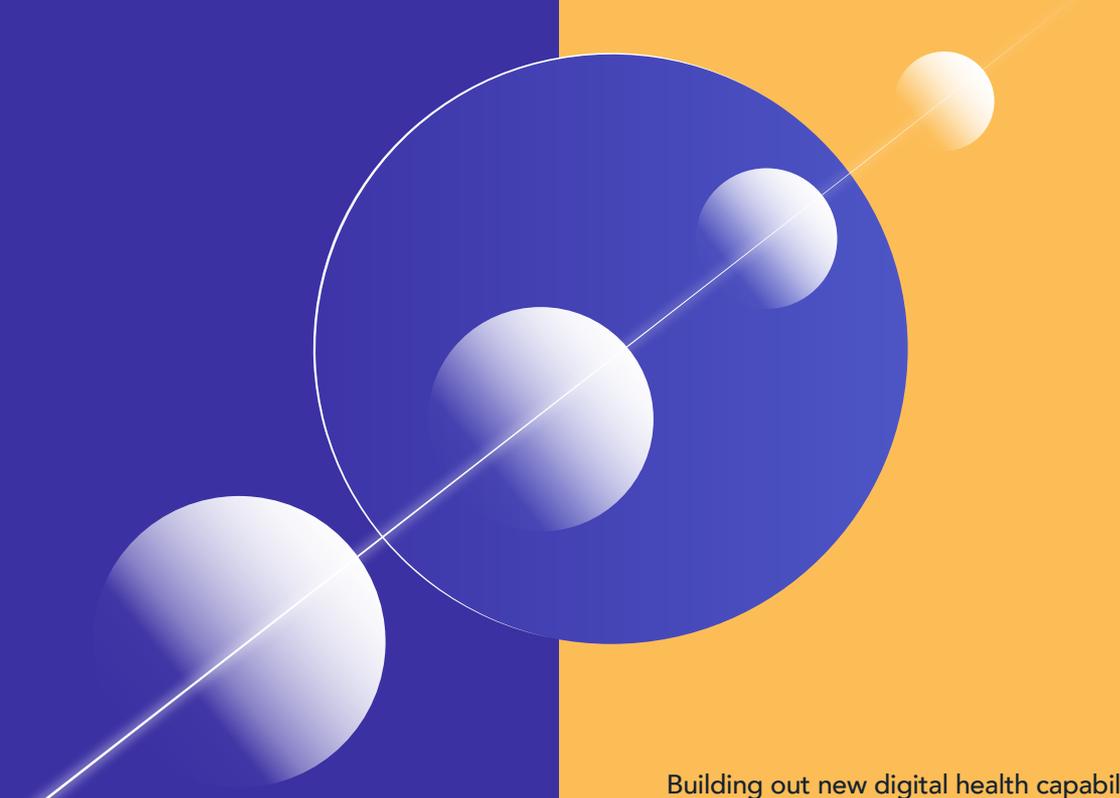


macadamian technologies inc.



macadamian
healthconnect

Accelerate the development of custom healthcare solutions

An abstract graphic consisting of several overlapping circles and spheres. A large blue circle is the central focus, with a smaller blue sphere inside it. To the left, a white sphere is partially visible, and to the right, another white sphere is partially visible. A thin white line passes through the centers of the spheres, creating a sense of depth and movement. The background is split into a dark blue left half and a bright yellow right half.

Building out new digital health capabilities can be complex, time-consuming and expensive. **Macadamian HealthConnect™** is a digital platform as a service that streamlines the development of Cloud-connected healthcare applications by standardizing the core building blocks to ensure that data privacy, compliance, and interoperability requirements are met from the get-go. Paired with our user experience and software product development expertise, Macadamian HealthConnect™ provides the underlying architecture for our clients' applications.

01

Focus on Innovation

A microservices architecture, focuses development efforts on differentiated application features and end-user functionality.

Create engaging, seamless omnichannel patient experiences through integration with desktop, mobile, and voice assistance applications.

Integrate with wearables to collect sleep quality, exercise, and activity data, or integrate your own sensor-based patient monitoring approach.

Collect real-world evidence by connecting isolated data streams, capturing, and storing connected medical device data to support meaningful analytics.

02

Optimize Cost & Time to Market

Microservices-based architecture, integrated database, and data management layer speeds time to market, reduces investment in cloud architecture and infrastructure layer development while optimizing investment in solution design, build, and deployment.

Integrated managed services, DevOps support, hosting and management reduces cost over the entire product lifecycle, including back-end deployment, backup, and system monitoring.

Benefits

03

Built for Compliance

Rapidly develop regulated products without the need for recertification across multiple regions and product variants.

Support for on-premise or in-region storage and secure transmission of protected health information to address data sovereignty requirements.

Interconnect with multiple data centers globally to address disaster recovery and business continuity requirements.

Designed to address data privacy and access requirements to meet HIPAA requirements.

04

Scale as you Grow

Ready to scale with a robust, secure architecture and infrastructure layer.

Scale hosting costs as you need too.

Quickly add new data sources and data consumers through a common data model and orchestration language.

Orchestrate components and manage your containers.

05

Built on Expertise

Macadamian brings over two decades of experience in behavior and usability design, interoperability, and software development for complex, regulated environments.

Over 150 Healthcare clients to date.

System Architecture

Microservices architecture built on Microsoft Azure.

Modular cloud-based architecture that supports future integration points.

Dynamic scalability, using more resources when there's peak demand, and then scaling down when there's less demand minimizes hosting costs.

Out of the box modules

Clinician dashboard

Business Intelligence tools

MedTracker

SymptomTracker

Medical Imaging AI Integration and Validation

Pre-built chronic disease management reference designs

Diabetes Disease Management

eCare Symptom Tracker

Cloud Integration

Kubernetes, AtlasDB, Microsoft Azure Active Directory, Azure Functions

Enables front end application development

Once deployed, develop your own front end applications.

Custom Integration & APIs

Enables secure messaging between clinician and patient without exchanging emails or mobile phone numbers.

Clinician portal delivers a secure view into patients on the system to support triage, remote monitoring, and adherence.

Create patient surveys to remotely monitor symptoms and disease progression.

Provide support for integration with third-party platforms, services and data sources.

Managed services training, support, and maintenance

Macadamian HealthConnect™ Platform support can be extended to include managed support of your own solutions built on HealthConnect™.

Macadamian Managed Services.

Development, staging and production environment setup.

Automated updates of development and staging environments.

Managed production environment updates and upgrades.

Deployment of customer web applications.

Training provided on the use of the Macadamian HealthConnect™ Platform, including basic coding, software language, etc., upon implementation.

Data Security

Integrated user access and role-based authentication deliver security and traceability of sensitive records.

Data segregation for multi-tenant support.

Secure. There is no direct access to the database. All requests go through the Macadamian HealthConnect™ interface.

Infrastructure supports analytics which will deliver the right information at the right time with the least errors.

Delivers edge processing for de-identification and anonymization of data being sent to the cloud.

Quickly develop custom integrations to support existing and new devices.

Electronic Medical Records, PACs

Garmin fitness/wearable devices

Voice Assistants: Amazon Alexa, Google Home,

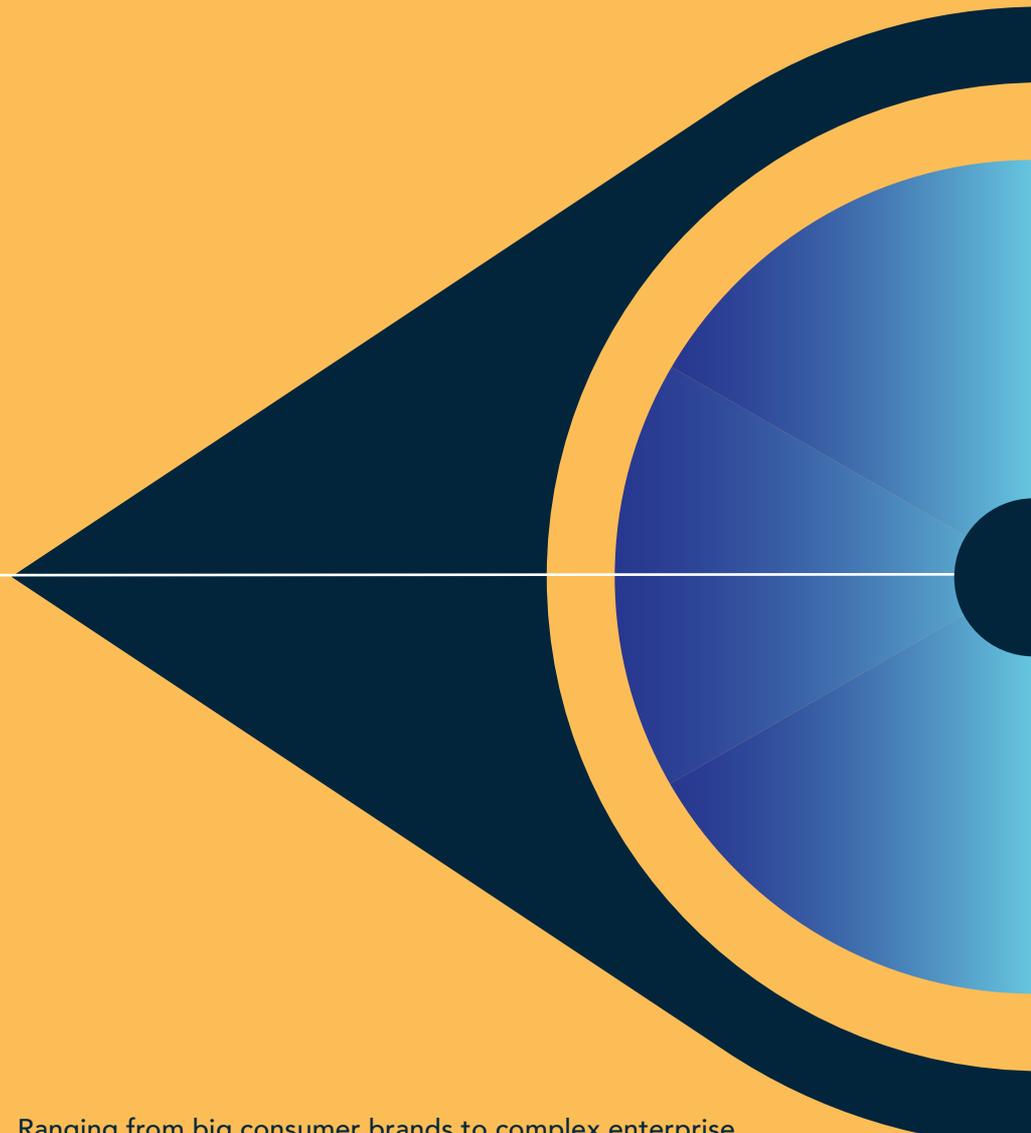
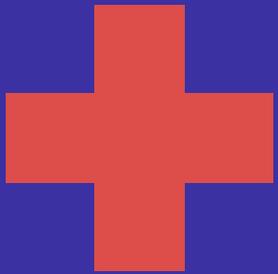
Glucose Meters, Blood Pressure Cuffs, weight scales and more Google Calendar, Email, SMS

Enables third-party application development

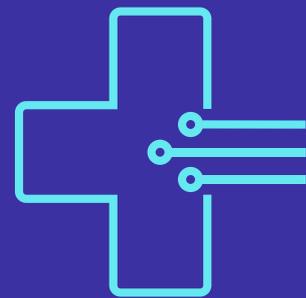
Once deployed, develop your own third-party applications.

About macadamian

We design and develop digital and connected experiences to improve healthcare. Macadamian is a full-service software design and development consulting firm that provides a complete range of product strategy, user experience design and research, and software engineering services.

A large, stylized graphic of an eye or lens, composed of concentric circles and segments in shades of blue and yellow, positioned on the right side of the page.

Ranging from big consumer brands to complex enterprise environments, our goal is to create solutions that are simple and meaningful, prioritizing the experience of the patient, the clinician, and the business needs of our clients.



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Visit our website: [macadamian.com](https://www.macadamian.com)

Speak with a Healthcare Solutions Specialist

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