Technology Services for Healthcare Industry

47Billion

About us

10+
years serving

20+
million end customers

100+
projects

Our Core Services

UX Design

Product Development

Data Analytics & Machine Learning

Intelligent Automation

Our major clients
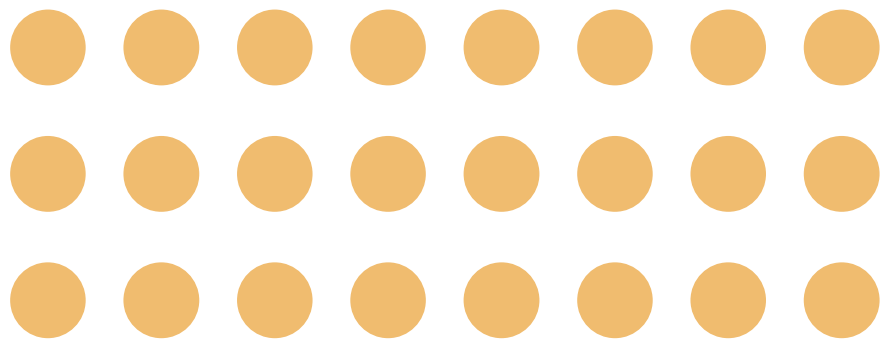
Our Core Strengths

Infrastructure & Platform

- SaaS Platform
- Microservices architecture
- Cloud native deployment on-premise & portable across providers
- Horizontally scalable
- High availability
- APIs for tight integration
- In-built Continuous integration and deployment
- Monitoring and operation analytics

Data Analytics & Machine Learning

- ELT Pipeline with open source or cloud services
- ML model training pipeline with continuous learning
- Descriptive, Predictive, & Prescriptive Analytics
- Metadata extraction from Unstructured documents
- ML based risk and audit
- KPI driven business intelligence reporting and customized visualization
- Algorithms for forecasting, regression, classification and clustering

Domain Expertise

- Decision Model & Notation
- CDM- Common Data Model
- ICD-10 & CPT codes, DRG & MS- DRG codes extraction
- Administrative & hybrid method of HEDIS, FHIR, HIPPA measurement compliance
- Immutable Blockchain Docs

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Our Team

Business Analysts

- Deep knowledge of US Healthcare Industry
- Knowledge of Healthcare Taxonomy
- Compliance and Standards knowledge: FHIR, HIPPA, HEDIS
- Understanding of Healthcare insurance industry and process workflow
- E-Appraisals, E-Signature and RON
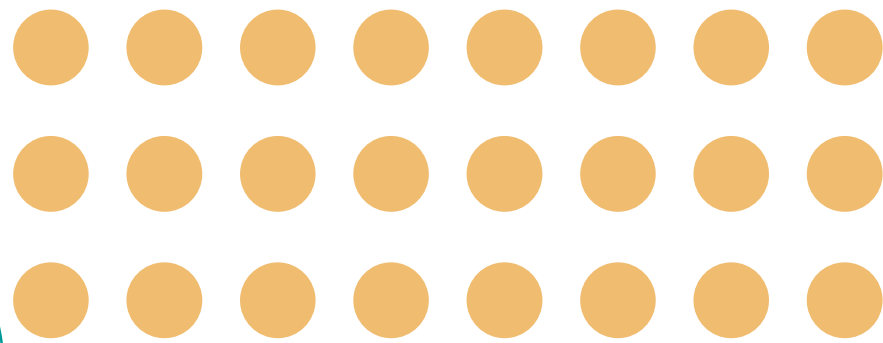
User Experience Specialists

- Design Sprint
- Interactive mock ups using Adobe XD
- Roles and responsibilities

Software Engineers

- Open source expertise
- Data Analysts and Data Engineers
- Machine Learning Engineers
- Strong architecture, design and programming skills
- Experts in proven, agile development process
- Test Automation and quality management frameworks

DevOps Engineers

- Continuous Integration and Deployment Pipeline
- Deep knowledge of Cloud Deployments
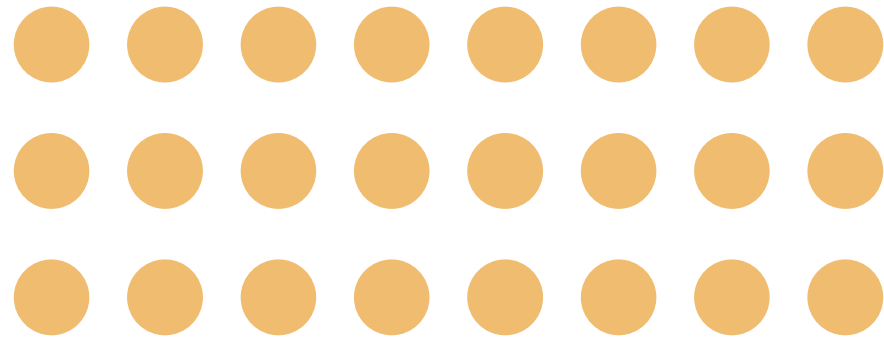- Security (HEDIS, FHIR)

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Our Process

- **Design Sprints** to understand product goals, roles and responsibilities
- Interactive, high-fidelity **mock up**
- Well-defined **use cases** to drive product roadmap
- **Architecture** and design documents
- Optimum **technology stack** recommendations based on deep expertise
- Milestones and Sprints using **Agile Methodology**
- Proven **quality-driven development** process enforced by tools
- Automated **testing**
- Continuous Integration and Continuous **Deployment Pipelines**
- **Periodic demos** to demonstrate progress

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Healthcare Industry

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Key Services

Conversion

- Metadata extraction from EHR
- Healthcare Taxonomy

Automation

- API integration
- Process mining
- RPA to pull data from Credit Bureaus
- E-Sign and RON

Analytics

- Operations Analytics
- Revenue & Cost Analytics
- Closed Loans Analytics
- Customer & end user analytics

Intelligence

- Automated claim Approval
- Fraud & Risk Assessment
- HEDIS Audit compliance

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Your partner in digital transformation of Healthcare Industry

Delivering better patient care

Precision Health – Analyzing information from large patients database, medical literature, IoT devices, and other sources, to provide an evidence-based approach for preventing diseases in advance

Driving efficient operations and reimbursements

- AI-enabled document understanding
- Benefits & insurance coverage
- Improved provider quality
- Patient assistance for high-cost therapies
- Risk Management
- Credit Scoring & Appraisal
- Fraud Detection & mitigation

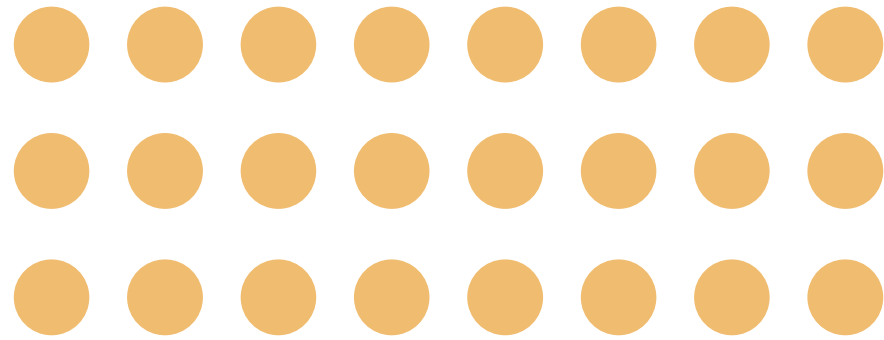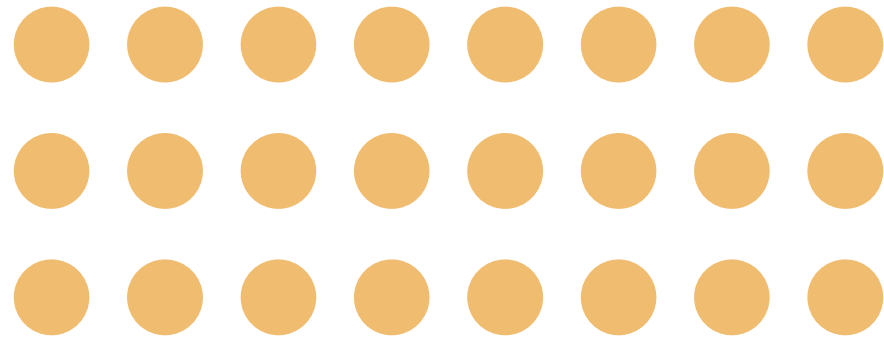## Making virtual encounters possible between the caregivers and patients

- Virtual assistance
- Real-time monitoring tools
- Nutrition & fitness support
- Virtual connectivity with society
- Nutrition & fitness support
- Cognitive devices for medication
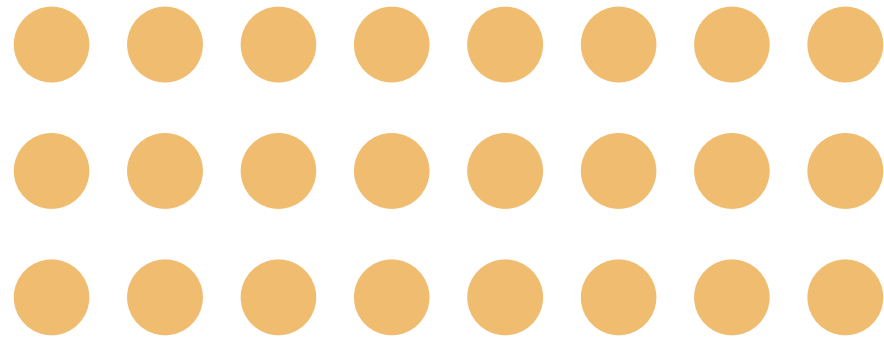- Patient monitoring devices

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USE CASES

Risk Adjustment Coding and HEDIS Quality Measurement Platform

- Highly accurate document understanding & data extraction platform
- Capable of extracting ICD-10 & CPT codes, DRG & MS- DRG codes
- Consists of a built-in feedback loop to continuously improve accuracy
- Works on Computer Vision & Natural Language Processing
- Supports administrative & hybrid method of HEDIS measurement compliance
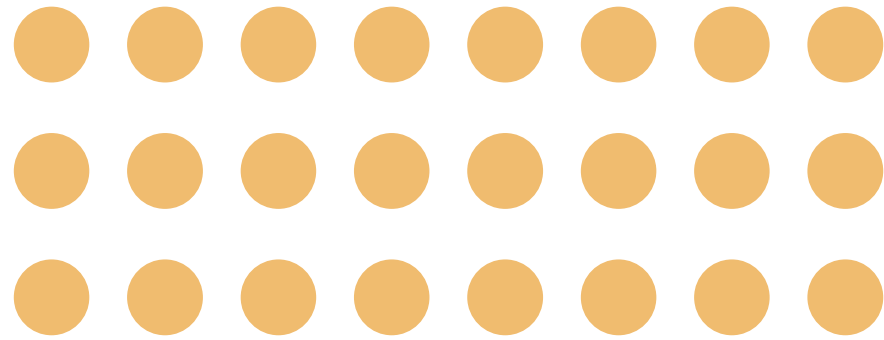
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Cognition based app for Elderly care, companionship, & community

- Personalized companionship & engagement throughout the day
- Health & lifestyle-related tips as per preferences
- Schedules care tasks and wellness routines
- Reports senior activities & well being, helps in relieving stress
- Updates regarding any events occurring nearby to increase social connectivity
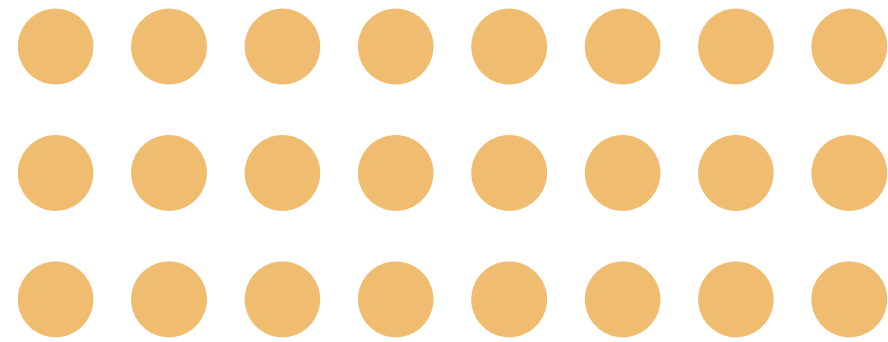
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Healthcare Networking Portal

- Secure, personalized digital platform for doctors & patients
- Helps with consultation & digital prescriptions
- Capable of managing appointment requests the hospital & personal calendar
- Capable of searching healthcare practitioners based on specialization
- Real-time notifications for events & appointments scheduled
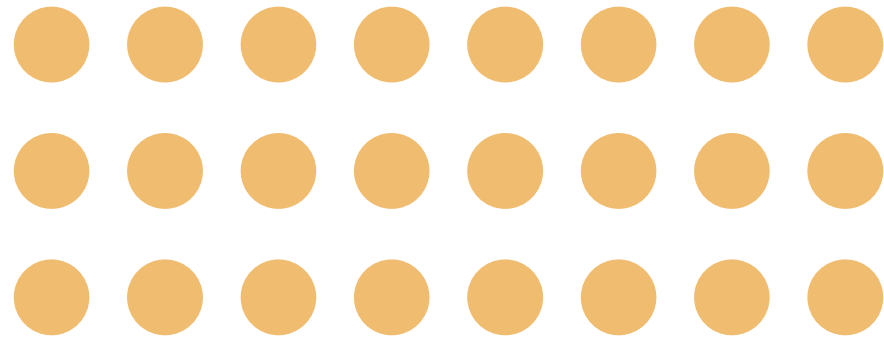
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Personal Note Manager for Doctors

- Secure & user friendly mobile app that maintains entire patient diagnosis & medication history
- Doctors can share medical records with other doctors for additional consultation
- In case of unavailability of doctors cases can be handed over to other doctors

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Advanced Infant Monitoring

- Cloud-hosted mobile app with Bluetooth connectivity for communicating with IoT based monitoring device attached to infant's body
- Users can set threshold levels of health monitoring parameters such as skin temperature, breathing pattern, sleeping angle, and many more as per doctor's suggestions
- Data downloaded will be uploaded to the cloud server for real-time analysis of all the parameters

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Why us?

- Proven expertise in cutting edge technology services
- Leverage pre-built components and products for accelerated development
- Transparent processes to drive overall success
- Knowledge of established mortgage industry practices
- A win-win partnership based on trust

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THANK YOU!

Your
companion
on a journey
to the **future**

hello@47billion.com

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