

AI-POWERED HEALTHCARE

INCREASE OPERATIONAL EFFICIENCY, DIAGNOSIS ACCURACY, AND REDUCE OVERHEAD COSTS WITH AI-POWERED HEALTHCARE SOLUTIONS



AI and emerging advanced analytics technologies can significantly improve clinical outcomes, operational management, and increase patient engagement across the healthcare continuum by demonstrating superhuman performance while reducing staff time burdens.

The SoftServe AI/ML team empowers providers, payers, and life science professionals to make more accurate data-driven decisions, overcome research obstacles, and recognize hidden patterns and correlations.

AI EMPOWERS ORGANIZATIONS TO ACHIEVE:



Insurance and Claim Process Optimization

for identifying, predicting, and mitigating fraud, waste, and errors across payer operations



Clinical Decision Support and Diagnosis Analytics

for support transition to value-based healthcare by predicting clinical outcomes, reducing unplanned readmissions, and chronic health risks



Conversational AI for Consumer Engagement and Patient Retention

for answering health inquiries and matching them with relevant information and healthcare providers in real-time, using smart voice assistants



Medical Imaging and ECG Interpretation

for interpreting medical images and electrocardiograms with greater accuracy using deep learning algorithms



softserve

AI AT WORK—CASE STUDIES

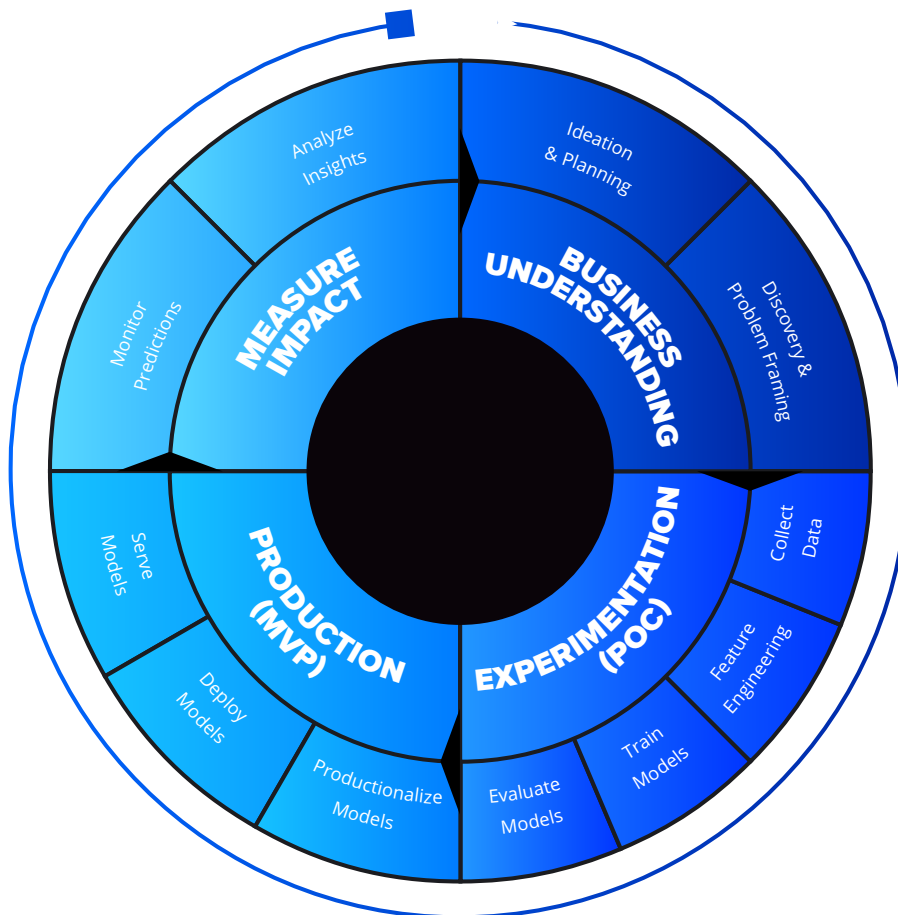
SoftServe built a speech and text recognition solution to automate and optimize EHR clinical routines by analyzing voice commands with near-human accuracy and deriving essential domain knowledge (e.g., medications, diagnoses, demographics, etc.) from digital audio recordings.

SoftServe AI/ML team created a computer-aided diagnostic system for radiologists that recognizes human body parts on X-Ray images and detects anomalies such as fractured and broken bones with classic ML and NLP techniques, such as named entity recognition.

SoftServe developed a pneumothorax identification and segmentation solution to enhance diagnostic accuracy by organizing chest radiographs for priority interpretation and predicting collapsed lung on X-Ray scans using deep neural networks.

SOFTSERVE'S AI ENGAGEMENT LIFECYCLE

Source: SoftServe, 2020



NORTH AMERICAN HQ

+1 866 687 3588 (USA)
+1 647 948 7638 (Canada)

EUROPEAN HQ

+44 (0)800 302 9436

APAC HQ

20 Cecil Street
#08-01 PLUS
Singapore 049705

info@softserveinc.com
www.softserveinc.com

softserve