



As a leading data science and data engineering firm, we are dedicated to extracting mission-critical insights from complex and diverse data sets. With a strong focus on healthcare, we work alongside Federal and State agencies, as well as private sector partners, to drive improvements in health outcomes, particularly for older adults and vulnerable populations. Our team of expert data scientists and technologists utilizes advanced AI and ML technologies to develop intuitive, secure, and powerful analytical tools that support data-driven decision-making and ensure the highest standards of data integrity. At Explore Digits, we are committed to transforming healthcare data into actionable insights that make a significant difference in people's lives.

CAGE: 871G8**DUNS: 056162028****NAICS: 541990 (primary), 541512, 541519****Contract Vehicles: GSA IT-70 Schedule****SBA-Certified 8(a)****Amazon Web Services (AWS) Advanced Consulting Partner****Capability Maturity Model Integration (CMMI) Level 2 for Development****ISO 9001:2015 Standards for Quality Management**

Customers

CMS**USAID****Department of Education****Epidemic Answers**

Core Expertise

Enterprise Ready AI, ML, and NLP Solutions

Explore Digits develops and deploys enterprise-ready AI, ML, and NLP solutions, providing model-based tools with user-friendly interfaces that deliver insights from both structured and unstructured data. Our expertise in data analytics and secure cloud-based platforms ensures that our solutions are robust and scalable, ready to meet the complex demands of modern enterprises.

Program Integrity

Explore Digits champions program integrity for CMS and its partners, utilizing cutting-edge technologies, advanced analytics, and robust cloud solutions to combat fraud, waste, and abuse. Holding a prime contract with CMS' Center for Program Integrity (CPI) and supporting multiple subcontracts, we are pivotal in enhancing data systems and programs that ensure a well-functioning healthcare system across various stakeholders.

Migrate Large Data Repository to the Cloud

At Explore Digits, we specialize in migrating large data repositories to the cloud, enhancing data accessibility and security for our clients. Our approach involves building out modern data repositories in the cloud, where we systematically and seamlessly migrate legacy data and ingestion pipelines. This ensures minimal disruption to business operations while providing a robust and scalable cloud environment. Our comprehensive experience in data cleaning, preparation, and advanced analytics supports a smooth transition, allowing organizations to leverage cloud efficiencies and innovations effectively.



Core Expertise

Migrate Analytics Solutions to Cloud

Explore Digits expertly transitions legacy analytics solutions from platforms like SAS, Micro Strategy, and SAP to cutting-edge, cloud-native environments. We leverage powerful tools such as Databricks and Snowflake to enhance the scalability and performance of analytics solutions. This strategic migration focuses on modernizing infrastructure without overlapping significantly with data repository transitions, ensuring a distinct, efficient upgrade path that optimizes data processing capabilities in the cloud.

Human-Centered Design

Explore Digits puts the user at the heart of every solution we develop. Despite our deep technical expertise, we prioritize collaboration with business owners to thoroughly understand their unique challenges and requirements. This ensures that our solutions are not only advanced but also perfectly aligned with the users' needs, context, and workflows. By focusing on these elements, we create intuitive, effective tools that seamlessly integrate into daily operations, driving user satisfaction and operational efficiency.

Information Security

Explore Digits underscores our commitment to safeguarding data integrity and security across all solutions. Our extensive familiarity with HHS and CMS security protocols ensures that our practices meet the highest standards required by these agencies. We have been entrusted with establishing and maintaining an Authority to Operate (ATO) for our AI-driven projects within CMS, demonstrating our capability to manage sensitive information securely and effectively. This experience highlights our dedication to robust security measures, ensuring that our clients' data is protected against evolving threats while supporting compliance and operational needs.

Past Performance

CMS/CCSQ: Feedback Analysis System (FAS)

Explore Digits successfully developed and transitioned a proof of concept (POC) into a full production environment with our Feedback Analysis System for CMS, enhancing the federal health rulemaking process. Utilizing AI, particularly natural language processing (NLP), our system assists policymakers and analysts in comprehensively analyzing public comments on proposed rules. This AI-driven platform effectively identifies themes, sentiments, stakeholders, and other critical aspects relevant to CMS. We extended our technological expertise to analyze unstructured data from nursing home surveys, providing deep insights into compliance with CMS regulations. This initiative demonstrates our commitment to creating user-centered solutions that integrate state-of-the-art technologies and insightful analytics to meet complex regulatory needs.



Past Performance

CMS/CPI: CBR/PEPPER Data Analytics

On the Comparative Billing Report and Program for Evaluating Payment Patterns Electronic Report Data Analysis (CBR/PEPPER DA) contract, Explore Digits collaborates closely with the CPI Provider Compliance Group (PCG) to assess the effectiveness of the CBR and PEPPER programs. These initiatives, which are non-punitive, focus on reducing improper payments in healthcare. Our team has designed and implemented an advanced evaluation framework to measure the impact of these programs on altering provider billing behaviors. Additionally, we evaluate their effects on healthcare utilization and health equity, ensuring a comprehensive understanding of these programs' reach and success in promoting more accurate and fair billing practices.

On the Comparative Billing Report and Program for Evaluating Payment Patterns Electronic Report Data Analysis (CBR/PEPPER DA) contract, Explore Digits leads the evaluation of these pivotal CMS Center for Program Integrity (CPI) programs. Our efforts focus on assessing changes in provider billing behaviors in response to the insights provided by CBR and PEPPER, enabling CMS to enhance program integrity and effectiveness.

CMS/OIT: LSITMM

Explore Digits holds the prime contract for the Legacy System Information Technology Maintenance and Modernization (LSITMM) with CMS. Our role involves both maintaining the existing Medicare legacy systems and spearheading their modernization. We ensure these systems meet the evolving needs of CMS and its stakeholders, seamlessly integrating new technologies and maintaining uninterrupted service during transitions.

USAID: CDM-XDR SentinelOne

Explore Digits plays a key role in advancing cybersecurity measures for the United States Agency for International Development (USAID) under the Continuous Diagnostics and Mitigation (CDM) initiative. We lead the deployment of SentinelOne XDR tools across an extensive network of 18,000 devices, including servers and workstations. Our comprehensive responsibilities include system integration, real-time monitoring, detection, and proactive management of security incidents, ensuring high-level protection and resilience against cyber threats.

Department of Education: PEPS and eApp Systems

Explore Digits is crucial in managing the Department of Education's Post-Secondary Education Participants System (PEPS) and the Application for Approval to Participate in Federal Student Aid Programs (eApp). Our involvement ensures robust management and flawless integration of these systems, supporting around 6,000 educational institutions. We handle system enhancements, security management, disaster recovery, and program management, contributing significantly to the administration of financial aid and supporting the Department's mission in overseeing educational programs nationwide.



Ready Solutions

At Explore Digits, we offer a suite of cloud-based solutions developed on AWS, where we are an advanced partner. These ready-to-deploy solutions can be utilized as managed services or in consultation with our expert team, providing scalable and robust options for diverse needs. Our AWS-powered platforms ensure secure, efficient, and innovative cloud implementations, perfectly suited for organizations looking to enhance their operational capabilities with cutting-edge technology.

Smart Policy Assist (SPA)

SPA empowers policymakers by providing critical insights from large, unstructured datasets using advanced natural language processing (NLP), text processing, and machine learning techniques. SPA streamlines the policy-making process by reducing time-consuming tasks by over 90%. This tool can be customized to address multiple use cases where customers have a need to analyze and gain insights from unstructured data including text and voice data.

Migrate to Python (Migrate2Py)

Migrate2Py facilitates the automated conversion of SAS-based code to Python and PySpark, enabling a swift and seamless transition of legacy analytics to modern, cloud-native analytics ready for AI and ML integration. This solution accelerates the migration process, allowing organizations to quickly leverage the benefits of cloud-based analytics and prepare their data environments for future technological advancements.

Research Assist

Research Assist is designed to streamline the management and workflow of human subject research. This integrated data collection platform simplifies the processes of survey data collection, participant tracking, and communication. With embedded analytic tools, Research Assist enables researchers to conduct powerful analyses without the need for costly statistical software, making research management more efficient and accessible.

For more information or to schedule a demo, please visit our website: www.exploredigits.com