

FACT SHEET

DATA ENGINEERING SERVICES

Transform your organization's disparate data into actionable intelligence with agile analytics



AGILE ENVIRONMENTS DEMAND A DIFFERENT APPROACH TO DATA



New high volume sources such as social, public, machine present new management challenges



Many departmental operations such as sales, payroll, HR, and marketing are now in the cloud



In today's enterprise, data comes in all shapes and sizes. And most of it goes unused by the business.

Changing needs of different business units present new requirements; e.g., formats, data visualizations, persona-specific reporting, etc.

APEXON APPROACH

A COMPREHENSIVE APPROACH TO "AGILE" ANALYTICS

Apexon offers a holistic approach to data analytics that covers all the business, financial and technical drivers required to fully capitalize on your data resources.

CLOUD DEVOPS

- Full CI/CD
- Ops visibility and control

DATA SCIENCE

- Deterministic models - business rules
- Predictive models - machine learning
- Recommendation engines

APPLICATION SERVICES

- Application/ visualization dev
- APIs/ Gateways
- Voice interface
- 3rd party integrations



ETL SERVICES

- Batch orientated
- Micro-batch
- True streaming (open socket)
- Validation

ANALYTICS/ AGGREGATIONS

- Mapping and transforms
- Cleansing/ tagging
- Streaming/ batch aggregations

STORAGE OPTIMIZATION

- Hot/cold - tiered storage
- SQL/ NOSQLs
- Document/ search stores

AWS CONSULTING & ADVANCED TECHNOLOGY PARTNER

Apexon is part of the Amazon Web Services Partner Network (APN) on both a consulting and technology basis.

We are able to leverage our expertise on the AWS platform to help customers take full advantage of all its capabilities and ensure a superb experience for their end-users.



As an APN Consulting Partner, the Apexon professional data engineering services team has proven its ability to help customers of all sizes design, architect, build, migrate, and manage their workloads and applications on AWS.



The Apexon QMetry suite is an Advanced Technology Partner that can be hosted on, or easily integrated with, the AWS platform to help manage testing processes, accelerate test automation, embrace open source, and leverage analytics for more actionable insights.

PUTTING DATA ENGINEERING TO WORK



Data Aggregation Platform

- Apexon enabled this location-services provider to support a multi-tenant data aggregation platform to provide a single view for provider-specific metrics
- Provides real-time data aggregation from wide variety of dynamic data sources
- On-premise or cloud deployment
- Platform-agnostic approach enabled deployment across different cloud vendors
- Developers can develop new data collectors and seamlessly integrate through CLI
- Back up message storage to provide playback capabilities
- Operational data collection for reporting and fault detection



Omni-Channel Data Analytics

- Apexon assisted this payment services company by facilitating data analysis that assists its retail customers in minimizing how much they spend to acquire each new customer
- Provide customer analytics for actionable business decisions. RFM Modeling (Recency, Frequency and Monetary Value) to identify loyal or at risk consumer for target marketing actions
- Use data hubs for multiple merchants to mine data patterns to provide Customer Lifetime Value (CLV), analyze predictive behaviors for churn prevention and to develop the right offers for the right time



Digital Health Device Analytics

- Apexon enabled a BLE Interface from patch and wearables to mobile companion for this digital health company
- Provided Mobile Companion Application for care givers and patients
- Facilitated rapid development and deployment using DevOps on AWS ecosystem
- Created server-less architecture using AWS lambda and API gateways
- Authentication and Message encryption using AWS CognitoEvent
- Processing Pipeline at very high transactions rate
- Micro batch analytics using Spark on EMR



Apexon is a pure-play digital engineering services firm focused on helping companies accelerate their digital initiatives from strategy and planning through execution. We leverage deep technical expertise, Agile methodologies and data-driven intelligence to modernize systems of engagement and simplify human/tech interaction.

We deliver custom solutions that meet customers' technology needs wherever they are in their digital lifecycle. Backed by Goldman Sachs and Everstone Capital, Apexon works with both large enterprises and emerging innovators — putting digital to work to enable new products and business models, engage with customers in new ways, and create sustainable competitive differentiation.

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FEELING SOCIAL?

