DIGITAL ANALYTICS SUITE DEVELOPMENT FOR A GLOBAL PROFESSIONAL SERVICES FIRM

Improved process efficiency and achieved zero manual effort in data collection and cleansing efforts.

Client Background

Our client is a global professional services leader with businesses in insurance broking and risk management. They help customers quantify, manage risk, and help them unlock new opportunities for growth. Globally, businesses and government entities used the client's risk management, risk consulting, insurance broking, alternative risk financing, and insurance program management services. The client leveraged data, technology, and analytics to help reduce their customers' costs associated with risks. While offering brokerage and risk consulting services, the client worked with a huge data set – including data identification, collection, analysis, and visualization. These data collection and maintenance processes were manual. Data collection being labor-intensive and error-prone, impacted end-to-end reporting with ineffective data visualization.

The key client objectives included:

- Develop a scalable and secure data analytics suite enabling analytics and dashboards and address increasing user demand.
- Ensure an easy-to-use and intuitive user interactive solution.
- Enable report generation from the application.
- Achieve data sourcing and aggregation from various capture systems.

Xoriant Solution | Key Contributions

The client chose Xoriant as its technology partner to achieve data-driven execution considering our extensive data management, advanced analytics,

KEY BENEFITS

- Improved process efficiency by eliminating redundant manual data collection and data cleansing activities.

- Achieved zero manual efforts in data maintenance for some cases.

- Leveraged the solution for global prospective customers integrating region specific insurance data system into the solution.

data science experience. Our data engineering experts helped the client in the analytics suite development using MEAN stack, big data engineering, AWS Services, Tableau and UI/UX design. Our key contributions included:

- Built a scalable, differentiated client facing suite enabling data analytics and visualization solution using Angular, Node.js, Tableau, Hive-MongoDB, AWS Cloud.
- Sourced and aggregated data from various capture systems (this included placements, revenues, etc.) using ETL process, while using Python and PySpark for performing model calculations.
- Developed an easy to use, user interactive UI solution for data visualization using Angular.
- Provided reporting tools to generate reports from the application using Tableau and other BI tools.

Client Testimonial

Xoriant's Big Data engineering team helped in the development of a digital data analytics suite. Using this suite, we have been able to improve our business process efficiency, eliminate manual data collection and maintenance efforts. Also, we could now reach businesses globally to help them with better risk management and offer insurance broking and consulting services.

Technology Stack

Angular | Node.js | Tableau | Python | PySpark | MongoDB | Apache Hive | AWS S3

Xoriant is a product engineering, software development and technology services company, serving technology startups as well as mid-size to large corporations. We offer a flexible blend of onsite, offsite and offshore services from our eight global delivery centers with over 4000 software professionals. Xoriant has deep client relationships spanning over 30 years with various clients ranging from startups to Fortune 100 companies.