Native cloud solution that helped optimize business process, reduced risk and ensured compliance

DEV
IT Simplified...

C A S E STUDY

Cloud Application Development (SaaS)

Multi-tenant cloud platform that centralizes, consolidates, automates and streamlines processes, documents and communications relevant to an organization's adherence for complying with professional standards, policies, and government regulations required in their industry.

PROTECTED

Client: **Protected by NDA**
Country: **USA**
Industry: **Risk and Compliance Management**

Overview

The client is an Australian start-up that specializes in building, implementing and managing complex compliance frameworks.The experts in this group possess long and deep experience in this domain; helping Risk & Compliance practitioners within organizations from diverse industry sectors to setup, implement and manage variety of compliance processes and workflows. had to be built using the most modern technology platforms, ensure continuous availability of all tools and functionality, be scalable with growing customers and their users, be able to seamlessly add new features and functionality with time, highly intuitive and simple enough to enable faster user acceptance and adoption and most importantly provide all the tools required for their customers and users to design their own compliance workflows. Being a start-up, the client had obvious constraints in budget allocations, understanding of the right-mix of technology platforms and applications and the project management expertise to architect, develop, test and deploy such a modern, dynamic compliance management system.

In a nutshell, the client needed a software platform that:

- is responsive to changing markets and regulations
- equips compliance practitioners with adequate tools to address their challenges
- must be centralized and should provide traceability for effective compliance management
- provide Intelligent Analytics and Management Reporting features

Quicks Insights

Challenges
- Start-up MVP enabler software platform
- Tools and functionality to address most compliance workflows
- Multi-tenant and scalable

Solution
- Native cloud solution developed leveraging AWS cloud infrastructure and services
- Intuitive, graphical workflow designer with drag-and drop functionality
- Transparent and efficient compliance process with a single-pane-of-glass view of organizational compliance scores
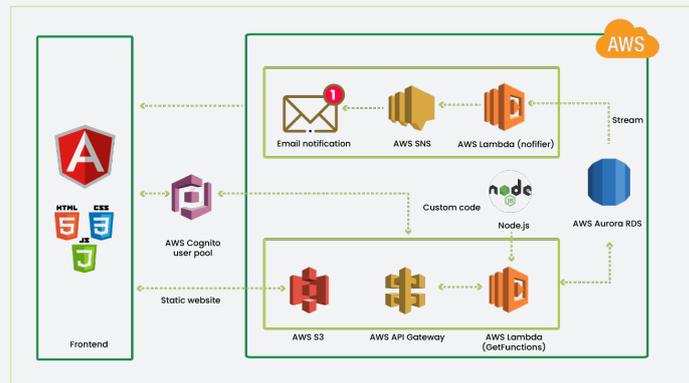
Technologies
- AWS Elastic Cloud, Angular, Node.js, AWS Aurora RDS, AWS Lambda, AWS S3, AWS Cognito

Solution

Based on several interactions with the client, DEV IT was able to clearly blueprint the solution accommodating all the challenges; especially considering the budget constraint and still have a robust, working MVP packed with cutting-edge features.

After reviewing the application requirements and expected user workloads, DEV IT's Solutions and Cloud Architects collaborated for determining an appropriate cloud platform, the cloud components that will be required for a native development and cloud infrastructure sizing that is sufficient to provide consistent performance across short-to-medium-term workloads.

Accordingly, DEV IT's team of experts settled on AWS as the preferred Cloud platform and evolved a native SaaS solution application architecture that leverages native AWS components and services.

The pay-as-you-go model was recommended for the AWS Elastic instances and the database to address the client's budget challenges. The application concept that was evolved incorporated sophisticated logic to dynamically manage Compliance master data, design and deploy workflows on-the-fly as well as dashboards / analytics providing variety of information on Compliance scores.

Outcomes

The digital compliance solution that was built supported out-of-box functionality and workflows for the following sectors:

- **Financial Services –** Anti-Money Laundering (AML) and Anti-Bribery and Corruptions solutions (ABC)
- **Cybersecurity –** data threats and security compliance including NIST Cybersecurity framework, GDPR compliance and ISO 27001
- **Regulatory and Legal –** Tracking and ensuring compliance with KYC, KYE and declarations
- **Associations and not-for-profits –** Monitoring and demonstrating compliance for boards and members
- **Oil and Gas –** Monitoring JSA, background checks and certifications
- **Work safe Compliance –** Maintaining compliance for Occupational Health and Safety processes

About DEV IT

DEV IT is public listed (NSE-DEVIT) organization based at Ahmedabad, India. For more than two decades, the organization has evolved into a multi-faceted unit with 1200+ strong, skilled workforce providing cutting-edge software and infrastructure solutions in Cloud, Data and Automation. DEV IT provides services to government departments, public sector organizations across several states in India as well as 100s of clients worldwide from diverse industry sectors.

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