



Modernizing budget control and approval application for a US-based commercial bank

456% surge in productivity by digitizing and automation of budgeting process.



Manual, error-prone and time-consuming financial budget control

As a large US-based commercial bank with a 40-year commitment to the innovation economy and the stability of a over a century old financial organization, the bank actively supports companies in creating jobs and contributing to a more equitable, sustainable, low-carbon, net-zero emissions economy.

The client's financial budget control and approval system needed to a rehaul as it was manual, lacked the speed and accuracy of a digital system. The reason being the management of the project portfolio intake relied on a spreadsheet. This method was labor-intensive, required significant manual effort, prone to duplication, and susceptible to errors. Given that this data directly influenced financial planning, it was crucial to streamline and simplify the process.

The client wanted to transform to a cloud-based modern application for which they were looking

for a vendor who possessed expertise in enterprise cloud transformation and consulting for cloud based modern application development.

With a proven record in the BFSI space over the years Brillio has constantly partnered with Fortune 500 banking and financial institutions on their digital transformation journeys. Deep understanding of the financial landscape, IT infrastructure (on-premises and cloud), and application ecosystem, along with domain subject matter expertise, played a pivotal role in being the partner of choice for this application development project. Additionally, Brillio's active senior leadership involvement, commitment, and investment in technology underscores their reputation for delivering high-quality technology solutions and services.

Brillio helped define holistic cloud transformation process and standards with a platform centric approach while developing a modern application.

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Enterprise-class, user-friendly, modern application

Brillio's capabilities in modern application development, including responsive web apps and Microservice architecture-based backend applications, contributed to the creation of user-friendly and efficient modern applications. The implementation of high-security standards and automation was crucial to comply with regulatory requirements for cloud adaptation. Brillio recommended a phased approach to application modernization, aligning with the client's Agile Trail Release for comprehensive program release and delivery. Our DevSecOps capabilities and resources ensured end-to-end SDLC management using Agile methodologies and a blue-green deployment architecture, emphasizing high code quality and security which resulted in improved efficiency and faster time-to-market for application features. Automation of vulnerability scanning tools and resolution processes was integral to meeting required standards.

An innovative approach for Enterprise cloud architecture

A platform and product-centric enterprise architecture solution was built for a digital modern application. The responsive web-based application streamlines the intake process, offering comprehensive project planning, budget planning, cost planning, and resource planning. It integrates with resource management software to enrich resource data and automates workflows for project and budget request reviews and approvals. This solution aligns with the client's enterprise cloud transformation strategy, leveraging AWS Cloud native services.

Collaboration occurred with the client's Agile Architecture Review Board (AARB) and Cloud 4 Enterprise (C4E) to develop platform and product-centric reusable components for cloud adaptation. The application became the pioneer in adhering to all cloud adaptation and Cloud transformation enterprise standards. It serves as

a benchmark solution for future cloud applications, emphasizing Brillio's commitment to innovation and excellence.

The Single Sign-On (SSO) and API Authentication architecture include user logins through Bank SSO, SAML assertions, and API calls via Apigee Gateway. The tool dashboard interacts with backend APIs, and Apigee API Gateway ensures successful communication with target URLs. Additionally, the tool integrates with Tableau for embedded reports and dashboards, utilizing live database connections for dynamic data. The workflow orchestration and execution employ AWS Step Functions and Lambda-based logic.

The AWS architecture adheres to enterprise standards for cloud solutions, aligning with the client's cloud adaptation standards. This ensures consistent compliance, evidenced through various audit processes, and approval for deploying the application to the cloud.

Brillio achieved remarkable results in the form of a significant scale-up of project intake and budget approval rates, increasing from 150 projects per year to an impressive 700 projects per year. Moreover, productivity saw a remarkable surge of 465%.

Breakthrough in cloud standards and project acceleration

The Brillio enterprise architecture and development team successfully delivered an innovative cloud application, establishing new benchmarks for cloud adaptation. They not only enhanced existing cloud adaptation standards for enterprise applications but also set new ones. This initiative resulted in a significant scale-up of project intake and budget approval rates, **increasing from 150 projects per year to an impressive 700 projects per year**. Moreover, **productivity saw a remarkable surge of 465%**.



ABOUT BRILLIO

Brillio is one of the fastest growing digital technology service providers and the partner of choice for many Fortune 1000 companies seeking to turn disruptions into competitive advantages through innovative digital adoption. We help clients harness the transformative potential of the four superpowers of technology: cloud computing, Internet of Things (IoT), artificial intelligence (AI) and mobility. Born digital in 2014, we apply our expertise in customer experience solutions, data analytics and AI, digital infrastructure and security, and platform and product engineering to help clients quickly innovate for growth, create digital products, build service platforms, and drive smarter, data-driven performance. With 17 locations across the US, the UK, Romania, Canada, Mexico, and India, our growing global workforce of nearly 6,000 Brillians blends the latest technology and design thinking with digital fluency to solve complex business problems and drive competitive differentiation for our clients. Brillio was certified by Great Place to Work in 2021, 2022 and 2023.



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