xoriant

Success Story

From Hours to Minutes: Rapid Deployments and Robust Security for Digital Health Platforms

The client is a leading insurance and healthcare platform specializing in digital solutions for group and individual policy enrollment, omnichannel benefits access, and financial and health wellness.

Despite their success in delivering innovative digital healthcare solutions, faced several operational challenges that impacted productivity, security, and efficiency.

Challenges

A leading global financial services firm was facing persistent challenges with managing disparate source data systems, collating the data at a centralized location and ensuring compliance with regulatory requirements across various business functions. The challenges included:

- Manual processes for deployment and rollback causing delays and errors.
- Absence of automated security checks leaving applications exposed to security risks
- Significant workflow challenges and a lack of modern tools led to developer inefficiencies.

Solution

Leveraging our deep expertise in cloud technologies and CI/CD automation, Xoriant designed and implemented a comprehensive solution :

Migrated
Over 90 on-prem SVN applications to GitHub Enterprise SaaS, improving version control and collaboration

Developed
25+ Azure DevOps pipelines to automate deployment and rollback for .NET, Angular, ASP.NET, and Python, streamlining processes.

Enforced
Code-level security with tools like Dependency Graph, Dependabot, and SonarQube, enhancing security posture.

Restructured
The repository with environment-specific branches (Dev, QA, UAT, PROD), and implemented release tagging and access controls for governance.

Integrated
Automated security checks into Azure DevOps pipelines with tools like Dependency Graph, Dependabot, and SonarQube for continuous monitoring.

Provided
Consultancy for code obfuscation using ConfuserEx, securing sensitive code components.

Business Value

- **90% reduction in deployment time** enabling faster go-to-market and quicker updates across all sites.
- **40% increase in developers' efficiency,** allowing more focus on core development tasks and faster product releases.
- **70% Improvement in vulnerability management,** leading to stronger security and reducing the risk of costly breaches or fines
- **50% increase in scalability efficiency,** allowing the client to grow and customize services with less resources and faster deployment
- **80% reduction in operational labor costs,** minimizing human errors and improving overall process efficiency.
- **85% improvement in rollback speed,** ensuring faster and safer recovery from deployment issues, minimized downtime, and improving service reliability.

Technology Stack

SVN | Azure DevOps | GitHub | Python | .NET | Angular | Android/iOS Mobile Applications | Microsoft Azure Cloud