



Gen AI powered App Modernization



WHAT IS App Modernization

Managing code bases is key to an efficient development environment, it is crucial for developers to maintain and upgrade code bases regardless of the challenges. Brillio's "Code conversion" leverages Generative AI to assist developers with code version update and migration to different programming languages. This solution aids developers with code conversions, version upgrades and library upgrades, hence enhancing user experience and application performance.

Key features

Gen-AI based code conversion updating or migration to different programming language, improving user experience & application performance.

Automating the refactoring of legacy code

- Generative AI can be used to automatically refactor legacy code, making it more modular and maintainable.
- This can help to reduce the cost and complexity of app modernization

Generating new features and functionality

- Generative AI can be used to generate new features and functionality for applications, without the need for manual coding.
- This can help to accelerate the pace of app modernization

Improving the security of applications

- Generative AI can be used to identify and fix security vulnerabilities in applications.
- This can help to make applications more secure and compliant with regulations

Improving the performance of application

- Generative AI can be used to improve the performance of applications by optimizing the code and data.
- This can help to make applications more responsive and scalable

Making applications more user-friendly

- Generative AI can be used to make applications more user-friendly by improving the user interface and experience.
- This can help to improve the adoption and usage of applications

Migration assistance

- It can be used to validate a wider range of hybrid cloud architectures than manual validation.
- The bandwidth of its validation will help reduce time and cost

Brillio Solution Capabilities



POC to convert single code snippet for single tech stack



Extended Solution for Repository Migration



Extend Solution to support More Languages (ROR, Python, .NET, Java, Node/React etc.)



Version Upgrades/Library Upgrades



Auto Converting the Source Code from One Programming Language to Another



Auto Conversion of Single snippet of code for one single tech stack



Auto Generation of libraries for each programming language



Code conversions and library upgrades will be streamlined by the use of Generative AI

Business Benefits



Time and Effort Savings

The tool automates the repetitive and time-consuming tasks of code conversion, version upgrades, and library upgrades, enabling developers to focus on more strategic and creative aspects of software development



Increased Productivity

By automating these processes, developers can accelerate the overall development cycle, reduce turnaround time, and deliver software updates faster



Enhanced Accuracy

The generative AI tool leverages advanced machine learning techniques to ensure accurate code conversion, version upgrades, and library upgrades, minimizing errors and reducing the risk of introducing bugs



Seamless Transition

The tool maintains the functionality and behavior of the codebase during the conversion, version upgrade, and library upgrade processes, ensuring a smooth transition without disrupting the application's operations



Learning and Adaptability

Over time, the generative AI tool can learn from previous codebase conversions, version upgrades, and library upgrades. It can continually improve its accuracy, efficiency, and ability to handle specific coding patterns, making it an increasingly asset to the development team