



PC GAMING PLATFORMS INTEGRATION

Developed a unified interface for aggregating games from different platforms, making it easier for gamers to explore, play, and manage a library of games

CONTEXT

CLIENT

- Global PC and Devices Manufacturer

CONTEXT

- Popularity of PC gaming is rising consistently over the years and is projected to continue in the future
- Most gamers play more than one game, and these games are from different gaming providers (e.g., Steam, Epic, Ubisoft, Xbox, Battle.net etc.)

CHALLENGES & OPPORTUNITIES

- When playing games from multiple gaming providers, gamers have to switch between interfaces to launch specific games
- A unified interface connected to different gaming providers - makes gamers life easy in managing a library of games
- For the client, this unified interface is an opportunity to provide a value-added service to its PC users and opens potential future opportunities for cross-selling, e.g., gaming accessories



PC has become the consistent top platform over the years, rising from 48% of current game development in 2013 to 63% in 2022.

[Source: State of the Gaming Industry 2022](#)

SOLUTION – OUR ROLE

Our client needed an extended development team to develop the unified user interface integrating with multiple game providers.

Chainyard has been selected as the extended team due its

- Experience in developing next-gen customer experience solutions in various industries*
- Expertise in developing modern web application user interfaces with contemporary frameworks*
- Applying best practices of agile engineering across development, testing, and DevOps*



SOLUTION DEVELOPMENT – KEY ACTIVITIES

UI DEVELOPMENT



Developed the desktop UI for the unified gaming interface following modern interface patterns and supporting 30+ languages

GAMES INTEGRATION



Integrated with multiple gaming platforms (Epic Games, Steam, Xbox) with specific APIs and security mechanisms

AUTOMATION TESTING



End-to-end automation testing of the UI interface, secure sign-in, and API services integration with leading automation tools

CONTINUOUS DEVELOPMENT



Developing new features and on-boarding new gaming platforms in line with the product roadmap following a 4-week release cycle

SOLUTION – KEY COMPONENTS + TECH STACK

USER KEY CAPABILITIES

Connect to Gaming Platforms

Adding/Removing Games

Explore/Search/Play Games

My Games / Top Games

GAMES INTEGRATION

Epic Games

Battle.net (In Progress)

Steam

Ubisoft (Planned)

Xbox

Google Games (Planned)

TOOLS & TECHNOLOGIES

DEVELOPMENT

Angular JS

C#

WPF

WCF

Rest APIs

AUTOMATION TESTING

SpecFlow

Selenium with C\$

DEVOPS

Jenkins

OTHER USER CAPABILITIES AND TECHNOLOGY FEATURES

Advanced search with caching of all games from the gaming providers and the ones installed on the PC

Localization - Support for 30+ languages

Managing different security method for each gaming provider and detecting malware/malicious software

Capturing user, game, and activity metrics

RESULTS – KEY BENEFITS



ENHANCED CUSTOMER EXPERIENCE

With an easy-to-use unified gaming platform interface aggregating different providers and locally installed games



MAXIMIZING GAMING TIME

By removing the need to switch between stores and interfaces making it easy to manage the library of games



INCREASED CROSS-SELL OPPORTUNITIES

By making it easier for PC users to buy required gaming accessories through this value-added service



Customer Success Briefs

THANK YOU



Customer Experience