



## SISS Data Services and Equinox IT use GitHub Copilot to deliver faster and better outcomes

### Background

SISS Data Services, a leading financial data service provider in Australia, has delivered innovative data solutions for over ten years. The company has a reputation for pioneering the adoption of new technologies.

With the Australian Competition and Consumer Commission (ACCC) releasing an open banking environment, SISS Data Services saw an opportunity to revolutionise its offerings.

### Problem

The primary challenge was integrating SISS Data Services into the newly released open banking environment. This required a comprehensive understanding of the new regulations, an innovative approach to data handling and the development of a robust and secure platform.

The project demanded rapid development and deployment, so it needed a solution to accelerate the development process without compromising quality or compliance.

### Work

Equinox IT, a New Zealand-based IT consultancy, partnered with SISS Data Services to support them on this transformative journey. The collaboration aimed to harness the potential of open banking and create a platform that meets the industry's current needs and sets a benchmark for future developments.

Equinox IT and SISS Data Services used GitHub Copilot to address these challenges. They began as early adopters of the beta version in 2021 and incorporated advanced features like Copilot Chat as they were released.



*GitHub Copilot helps our development teams with repetitive, simple tasks, giving them more time to focus on high-value code. We've noticed increased code quality and system reliability since adopting GitHub Copilot.*

Peter Speden – CTO, SISS Data Services

Powered by artificial intelligence, GitHub Copilot became central to the development process thanks to critical advancements:

1. **Rapid Code Generation:** Copilot's ability to suggest code snippets and complete lines of code significantly reduced development time, allowing the team to focus on more complex aspects of the project.
2. **Enhanced Collaboration:** The integration of GitHub Copilot within the IDE fostered better peer programming sessions. Developers could rapidly iterate over code, leading to more innovative solutions.
3. **Learning and Adaptation:** GitHub Copilot learned from the code, adapting to the team's specific needs and providing more relevant and efficient coding assistance as the project progressed.
4. **Error Reduction:** AI-driven code suggestions significantly reduced the likelihood of human error, resulting in a more reliable and robust platform.

## Outcome

The partnership between Equinox IT and SISS Data Services, bolstered by the cutting-edge technology of GitHub Copilot, led to the successful integration of SISS Data Services into the open banking environment.

Key achievements include:

- **Accelerated development:** SISS Data Services can implement new features around 20% faster, demonstrating the efficiency gains from using GitHub Copilot.
- **High-quality platform:** SISS Data Services deployed a robust and compliant open banking platform despite the accelerated development.
- **Innovation in banking services:** The platform has opened new avenues for banking services, offering enhanced data security, end-user experience and innovative financial products.

## GitHub Research Findings

The positive outcomes experienced by SISS Data Services in their adoption of GitHub Copilot have some similarities with the findings from GitHub's research study on the impact of Copilot on developer productivity and happiness<sup>[1]</sup>.

The study, which surveyed over 2,000 developers, found that:

- Developers using Copilot completed tasks 55% faster on average than those not using the tool.
- 87% of developers reported that Copilot helped preserve mental effort during repetitive tasks.
- Between 60–75% of users reported feeling more fulfilled with their job, less frustrated when coding, and able to focus on more satisfying work when using Copilot.

These quantitative findings from the GitHub study validate the qualitative improvements observed by SISS Data Services, demonstrating that the benefits of AI-assisted development tools like GitHub Copilot are not isolated to a single case but are reproducible across a wide range of development contexts.

This case study, combined with the supporting evidence from GitHub's research, exemplifies how embracing cutting-edge AI tools like GitHub Copilot can transform the development process, leading to faster, more efficient, and innovative outcomes while enhancing developer satisfaction and well-being.

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<sup>[1]</sup> GitHub. (2022, September 7). Research: quantifying GitHub Copilot's impact on developer productivity and happiness. GitHub Blog. <https://github.blog/2022-09-07-research-quantifying-github-copilots-impact-on-developer-productivity-and-happiness/>

### Get in touch

Find out how we can help you achieve better outcomes faster with GitHub.