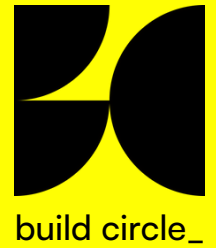


AUTOMATED ADR INTEGRATION: STREAMLINING DEVELOPMENT AND DEVEX



NEO

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KEY HIGHLIGHTS



Enhanced Compliance & Risk Management

The solution supported compliance in a highly regulated industry by providing easy access to relevant architectural decisions.



Emphasis on Developer Experience (DevEx)

Reinforcing a developer-centric approach promoted efficiency and innovation within the team.



Effortless Integration into Existing Workflows

The solution was designed to integrate effortlessly into the bank's existing development practices, ensuring minimal disruption and maximum adoption.

“By integrating automated ADRs directly into our development workflow, we’ve bridged the gap between autonomy and alignment. Our engineers can now move faster without compromising on compliance or architectural integrity. It’s been a real game-changer for how we build and scale.”

Lead Software Engineer, Neobank

The Challenge

The Neobank was growing quickly, which brought increased complexity in its infrastructure, regulatory demands, and the number of engineering teams working autonomously. With autonomy came decentralised decision-making, making it difficult to keep everyone aligned on architectural standards.

Engineers often didn’t know about relevant Architecture Decision Records (ADRs) when making changes, which risked divergent architecture, conflicts between teams, rework, and non-compliance, something particularly risky in a regulated financial environment.

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The Solution_

Build Circle designed and deployed an automated ADR-integration system. This system monitors git pull requests to detect when proposed changes might interact with existing ADRs. It then surfaces links to the relevant ADRs directly in the development workflow, giving engineers immediate access to architecture decisions that could affect their code.

The solution was built to integrate seamlessly into existing tools and workflows, to minimise friction and ensure high adoption; it included contextual information delivery so that the right architectural context is visible at the right time, and proactive context sharing to catch potential misalignments early before they become costly.

Outcomes_

- Optimised knowledge transfer: engineers gained timely visibility of architectural decisions so they could make informed choices.
- Reduced rework and conflicts: architectural deviations and compliance issues were caught earlier, saving time and effort.
- Enhanced developer experience (DevEx): by reducing friction, giving context where needed, and integrating with workflows, engineers had a more efficient, satisfying environment.
- Strengthened compliance and risk management: having relevant architectural decisions readily available helped ensure adherence to technical standards and regulations, reducing exposure to regulatory risk.

Build Circle partnered with a fast-growing Neobank to streamline its development processes and improve developer experience by automating Architecture Decision Record (ADR) integration. The solution automatically linked relevant ADRs to pull requests, ensuring engineers had immediate access to architectural context during development. This reduced rework, improved alignment across teams, and strengthened compliance in a highly regulated environment. The result was a more efficient, consistent, and developer-friendly workflow that maintained architectural integrity at scale.

