

Is your core system slowing you down?

You don't always need to rebuild from scratch - modernization can reduce costs by 40-60%

Our Offer Is Designed for Companies That:

- → Rely on **outdated, hard-to-maintain systems** for daily financial operations.
- → Seek better performance, compliance, and cost predictability.
- → Prefer a low entry threshold we start with code analysis and PoC (USD 1,250-3,800).

What Problems Do We Solve in Fintech Systems?

- → Rising infrastructure and scaling costs millions of transactions or records per day strain systems not built for this scale.
- → Security and compliance risks every change can lead to instability, and legacy systems often don't meet PCI DSS, SOC 2, GDPR, or new accessibility requirements like WCAG 2.1 (effective from June 28, 2025)
- Slow development cycles delivering product updates and new features takes too long, delaying product launch timelines.
- Rigid architecture tightly coupled systems make integrations with banking APIs or analytics tools difficult.
- → Data and logic silos fragmented architecture blocks Al use cases like fraud detection or customer scoring.

Why Trust Us?

We stand out thanks to **years of experience working with legacy systems** - we've completed over 100 modernization projects.

Instead of pointing fingers, we focus on creating a practical action plan and modernizing your existing systems step by step.

How We Work,

Without Disrupting Core Financial Operations



- → We don't start with refactoring we start with a conversation. Before touching any code, we talk with you and analyze your business needs. We only refactor when it's necessary not just because the code looks bad.
- → We map the system and identify critical paths. Instead of modifying code right away, we identify relationships between modules and define critical paths (e.g., transaction engine, risk module, APIs) that must remain functional at all times. This helps us avoid a domino effect when modernizing.
- → We don't rewrite everything from scratch. We reuse working parts of your code that already contain valuable business knowledge. We apply proven techniques like the strangler pattern to separate new components from the legacy system safely.
- → We audit with a clear purpose. Using static code analysis tools, change tracking, and security and accessibility reviews, including early identification of compliance gaps (e.g., PCI, SOC 2, WCAG)
- → We bring every project in line with our engineering standards. From day one, we introduce CI/CD, clean up local environments, and organize documentation. This gives your project a solid structure, making further development easier and more affordable.

On the following pages we present selected fintech projects:

New NTMS Interface for Novelpay

Industry: Fintech / Electronic Payments

Technologies: React, API-Centric Architecture

Project scope: User research and complete modernization of the GUI for a terminal management system

RESULT:

A modern and scalable system

- Improved usability a simplified interface and easier use of payment terminals by non-technical users.
- **Scalability** a flexible system ready for future development.
- Efficiency role-based design and optimized workflows for both developers and administrators.

CHALLENGE:

Legacy system limiting usability

- Tightly coupled frontend and backend making development and scaling difficult.
- **Unintuitive interface** requiring deep knowledge of complex documentation.
- No responsive design (RWD) limited functionality on mobile devices.
- No role management limited user access control.

KEY CHANGES:

Modern UI and usability improvements

- User interviews identifying the most common pain points and use cases.
- New GUI in React separated from backend using an API-first approach, based on UX research.
- Improved app management dedicated views for admins and developers, app management module, and request approval workflows.
- Usability optimization role-specific use cases, 165 views in an interactive prototype, and full mobile responsiveness.



Audit & Modernization Strategy for SecureBancard

Industry: Fintech / Payment Processing

Technologies: Legacy audit, infrastructure optimization

Project scope: Performance audit and modernization roadmap for a high-volume payment data system

RESULT:

Performance and planning gains

- Improved system efficiency faster processing of large data sets.
- Safe transformation interim fixes ensured uptime during transition.
- Clear direction the client received a strategic roadmap for reliable, scalable operations.
- Client satisfaction results-driven collaboration and transparent communication.

CHALLENGE:

Legacy infrastructure overload

- Operational growth millions of records processed daily, slowing down the system.
- Outdated technology limited support for transaction margin analysis and fraud detection.
- Lack of flexibility infrastructure wasn't prepared for scaling.

KEY CHANGES:

Dual-track strategy

- In-depth audit analyzed code and infrastructure to identify bottlenecks.
- Short-term fixes stabilized performance under heavy load.
- Long-term roadmap created a detailed modernization plan for scalable architecture.





REAL EXPERTISE

we specialize in technologies we know inside out: PHP, Symfony, and custom API integrations used in fintech legacy systems.

ACTIONABLE RECOMMENDATIONS

our audit includes:



code quality, testability, and extensibility,



infrastructure resilience and cost-efficiency,



UX and accessibility compliance (WCAG 2.1)



CI/CD pipelines and release management,



Al-readiness: potential for automation, risk scoring, anomaly detection.

Our Specialties



Pre-modernization consulting & analysis

identifying critical elements and priorities.



Modernizing PHP-based legacy systems

including systems built without frameworks or on older ones like Zend, Kohana, Codelgniter, and Slim.



Framework upgrades

e.g., Symfony $\langle 4 \rangle$ Symfony 6.x, Laravel $\langle 9 \rangle$ Laravel 10.



WordPress modernization

optimizing performance and security, removing outdated plugins, refactoring code.



Frontend modernization

migrating to modern JavaScript frameworks (React, Vue.js), improving UX and design compliance.

How We Care for Our Code?

- Consistent coding standards clean structure and easy scalability.
- CI/CD automation testing, static analysis, and seamless deployment.
- Security at every stage vulnerabilities are eliminated during development to minimize risk.
- → Accessibility & compliance reviews ensuring readiness for WCAG 2.1, GDPR, PCI DSS, and more.



What We Don't Do?

- We don't provide quotes without code access and clear business goals.
- We don't work with technologies outside our scope or closed systems that can't be modified or safely maintained.

How Collaboration Works?

Tangible results within the first month

our QA and modernization efforts deliver noticeable benefits early on, providing a solid foundation for further system development.

We start with a Proof of Concept (USD 1,250-3,800), which includes a complete cost estimate and recommendations for next steps - with no obligation for longterm commitment. This phase gives you a clear analysis to help plan your next actions and budget.



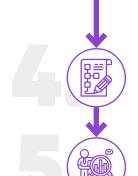
10 hours with a Solution Architect – free workshops covering business needs, challenge mapping, and a draft action plan.



Technical audit – current system evaluation and business needs analysis.

Bringing your project up to Polcode standards:

- → improved local environment,
- → full technical documentation,
- → error monitoring and proactive incident management,
- → project coordination and internal knowledge base.



Modernization strategy – refactoring plan, code optimization, and new feature development.

Implementation & monitoring – ongoing technical support throughout the project.

Show Us Your Core System

Whether you're dealing with:

- 30,000 queries per request
- Monoliths blocking innovation
- Or legacy logic
 no one dares to touch

We'll help you modernize safely and smartly.

Contact:

Clutch vowork





E-mail: sales@polcode.com www.polcode.com







Resources

Learn More About Modernization

