

Is your **platform** holding you back?

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

Our Offer Is Designed for Companies That:

- Work with complex datasets and outdated search/ reporting architecture.
- → Need faster data processing, better infrastructure, and lower operational costs.
- → Prefer a low entry threshold we start with code analysis and PoC (USD 1,250-3,800)

What Problems Do We Solve in Data Platforms?

- → Unstructured or outdated databases legacy data architecture slows down development and complicates feature rollout.
- → Slow search and analytics traditional search engines can't handle millions of records efficiently.
- → Manual reporting fragmented data makes real-time reporting impossible and increases operational workload.
- Rigid systems every change requires costly workarounds due to hardcoded logic and inflexible infrastructure.
- → Scaling limitations your platform can't keep up with the growing number of users or data volume.
- → Non-compliant dashboards with the WCAG 2.1 regulation effective from June 2025, outdated dashboards may fall short on accessibility.

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 Your Data Flows



→ We start with your data structure and use cases.
What's slow? What's missing? Where's the risk?

→ We standardize before scaling.

We restructure your database layer and cloud architecture to unlock real-time processing.

→ We modernize without rewriting everything.

We isolate outdated parts and use techniques like the strangler pattern to bring in new logic safely.

→ We enable search and reporting at scale.

We implement Elasticsearch and custom reporting engines tailored to your use cases - with WCAG 2.1 readiness where applicable.

→ We bring clarity to your stack.

From day one, we introduce CI/CD, restructure environments, and streamline documentation.

Rebuilding a Legacy System into a Scalable Data Platform for Firm Prospects

Industry: LegalTech / Databases / Business Intelligence

Technologies: Elasticsearch, Cloud infrastructure, Microservices

Project scope: Overhaul of a legacy data processing system into a scalable BI platform

RESULT:

Modern platform for growth

- Process automation and faster data access.
- Lower operating costs thanks to updated infrastructure.
- Growth-ready foundation built for future scalability.
- Competitive edge with advanced analytics and predictive reporting.

CHALLENGE:

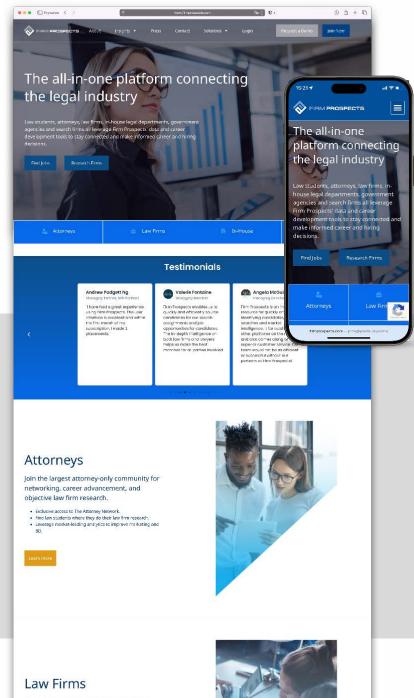
Unstructured database and legacy limits

- Disorganized data hindered performance, scaling, and new feature development.
- Outdated architecture limited data availability and innovation.
- Manual reporting slow and resource-heavy processes.
- Scalability issues infrastructure couldn't handle growing data volumes.

KEY CHANGES:

Full-scale modernization

- Normalized data structure enabled streamlined data search, reporting, and visualization.
- Elasticsearch deployment fast, scalable data search.
- · Cloud migration enhanced security, flexibility, and tool integration.
- Real-time reporting engine PDF reports and live dashboards.
- · Frontend and backend overhaul improved usability and development speed.



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 Find law students where they do their law firm research
 Treerage market leading analyticate improve marketing.



REAL EXPERTISE

We specialize in systems that manage complex datasets – from internal BI tools to SaaS data platforms.

ACTIONABLE RECOMMENDATIONS

We evaluate your stack across:



data structure and database performance,



search architecture and user journeys,



infrastructure costs and scalability,



reporting flows and dashboard logic,



opportunities for Al-based features and predictions.

Our Specialties



Pre-modernization consulting and architecture analysis.



Legacy database refactoring and normalization.



Search enginemodernization (Elasticsearch)



Bl integration - real-time dashboards, PDF generation, user roles.



Frontend revamp - speed, usability, and accessibility 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 by design dashboards and platforms can be adapted to meet WCAG 2.1 standards.



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 Dataset

If your search is slow, reports are manual, and infrastructure's cracking under load

we'll help you modernize fast and smart.

Contact:

Clutch

Upwork



Adobe Solution Partner

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







Resources

Learn More About Modernization

