

Shore Group Associates Case Study: Secure Personal Medical Record Management



Solution Attributes

- Designed, built and maintained a secure database, front-end web app and companion mobile apps
- Provided business stakeholder direct access to software architect and engineers with shadow project manager and onshore POC, mitigating additional investment in business analyst and accelerating delivery of solution to market
- Extended deferred, fixed rate payment terms to aid in budgeting and cash management
- Managed hosting via third-party partner

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SUMMARY

An entrepreneur with deep experience in the medical community had a vision for digitizing the segment in which he operated. Shore brought experience managing sensitive customer data, building business and consumer sites and incorporating a Rapid Application Development approach. Oversight from an onshore project manager ensured nothing was lost in translation as the visionary entrepreneur communicated use cases and business rules directly to the senior software architect, who in turn worked with engineers to translate this into code and workflows. The smartly-designed, secure site and app are positioned to revolutionize medical records management.

REQUIREMENTS

- Empower patients to manage their own medical records and scans, electronically
- Translate business stakeholder's market insights (into consumer needs and value proposition for institutions), into technically feasible product and project plan
- Deliver high quality solution ASAP, with high sensitivity to limited initial cash flow as a start up

IMPLEMENTATION

- Affirmed high-level business requirements with business stakeholder and engaged senior software engineer during initial discovery
- Rapport established between stakeholder and engineer enabling ongoing rapid application development during phases two and three
- Back-end development performed in parallel with front-end design, shrinking overall development cycle time
- Programmed in ASP.NET, Javascript, AJAX, SQL Server, with companion natively built Android and iOS mobile apps
- Engaged third-party graphics partner to create design specification, and PM facilitated multiple iterations with business stakeholder to achieve final approval
- Built highly secure, user-based permissioning with multiple role types (view, edit, upload, share), to allow for individual file access and sharing with both individuals and groups of private contacts
- Secure file upload and transfer capabilities, with time-based expiration features and audit trail
- Ecommerce component to charge users for file storage
- Built UIs for individuals to manage own files, administrator to manage collection of files, and practitioner to view studies

RESULTS

- Strong project management and technical execution led to delivery of world-class solution within tight cost constraints
- Post-delivery engagement expanded to include 24/7 technical support to consumers/end-users
- Business stakeholder engaged Shore to build unrelated mobile app