

Web and mobile development specialists who put the customer first

We're the technology partner who makes sense of big, complex projects.

Having designed and built well over 100 bespoke systems, our expertise lies in cloud based engineering that's tailor-made to suit our clients' unique challenges.

Our team of problem-solvers, creative-thinkers and tech enthusiasts can support you at any stage of your digital product journey – from initial consultancy and brainstorming to ongoing maintenance and development once your solution has launched.

With a wealth of experience in the across public and private sector, we're able to turn our hand to any industry. Everything we create is fuelled by a genuine passion for what we do, and backed by our technical excellence.

How?

To cut the complexity and get to the heart of your problem, we take you through our unique 6Bs of Service.

This ensures we create the ideal solution for you – it's done once, and done right.

1. Brief

It all starts here.

Whether it's due diligence on a start-up, or technical input on a current project, we take a top-level look at your business challenges and provide critical consultancy work, so we can deliver you a realistic, considered estimate and ideal solution suggestions.

2. Breakthrough

Time for a dash of creativity.

This is the discovery phase, where we use tools like prototyping, user research and ideation workshops to perform a real deep-dive into your technical problems and existing products. It ends with a streamlined solution framework.

3. Build

Here's where we get stuck in.

We pride ourselves on our technical excellence, high quality development and top-level standards when it comes to execution. Whether it's a mobile app or a complex digital transformation, we deliver the same level of care and attention to detail across all our clients.

4. Best practice

Our final stamp of approval.

We'd never launch without making sure our product has gone through all proper testing and quality assurance procedures. Using best practice methods, we'll thoroughly test your solution and ensure the greatest performance possible when launch day comes around.

5. Boost

When internal teams need an early-stage "leg-up".

Aside from go-live support and essential maintenance post-launch, we can also work with your team on skill enablement and digital adoption. A new tech release should be exciting; we'll help you drive that enthusiasm within your organisation.

6. Beyond

Now the real fun begins.

Your new solution is live and in the wild – but what's next? How to boost your features and functionality over time, create a future-focused roadmap, and stay ahead of your competitors, are all key considerations if you're going to continue to deliver a next-level user experience.

We're tech-stack agnostic.

We want to deliver digital solutions that just work. The best product for every client.

That means we don't affiliate ourselves with any technology stack in particular. We have to stay agile, flexible and up to speed with the latest industry developments.

But to ensure we always have the best experts on hand too, we partner with some organisations to tap into their knowledge and networks when specialist support is needed.

Our mission: putting people first.

We aim to be the global digital partner of choice for ambitious organisations who want to create real, positive change in their businesses, with better outcomes for their customers.

But we also know how important our people are.

We're a passionate team, so we aim to set the standard of progressive digital product agencies high where workplace culture is concerned. We want to build our people up, as we strive for an environment that's genuine, supportive and enjoyable.

Who we work with.

By now you've seen what we stand for and why we're such a strong technical partner to have by your side.

But we know the proof of the pudding is in the eating – you want to see some projects, right? And we can't wait to show you our work (and get excited about our new working relationship).

Here's a quick look at some of our favourite digital transformations and products to date...

Who we work with: NHS Somerset

The brief

When Taunton and Somerset NHS Foundation Trust (TST) and Somerset Partnership NHS Foundation Trust (Sompar) merged there was an opportunity to create an innovative and highly-functional digital solution – a revolutionised 'digital front door' that:

- Enhances service accessibility for patients
- Builds out the online colleague offering, bringing consistency, harmony and ease-of-use to their everyday digital experience
- Provides a holistic approach to care
- Creates one central location for all information and content
- Provides internal and external stakeholders with a high-quality online experience that would be accessible, responsive, reliable and future-proofed

What we did

Our team designed, developed and implemented an intranet and public-facing, highly accessible digital platform, unifying vast amounts of information into one integrated, intuitive and responsive system. Key features to support the Trust's mission of making holistic care more accessible:

- A clear, intuitive navigation and advanced search functionality
- A user-friendly CMS
- Embedded Google Maps to filter/highlight locations and services
- Flexible forms that adapt to user info
- Pop-up notifications triggered via the CMS, notifying patients of restrictions and closures relevant to them
- Secure payments for the Trusts' charity partners
- An appointment booking/cancellation facility
- Accessibility features, such as text-to-speech

The platforms launched across Somerset in 2020 – now with approx. 50,000 active users per month, it's exceeded expectations against initial project goals.

Who we work with: IgniteData

The brief

2020 changed the face of clinical research, with the industry calling for faster results, greater cost-efficiency and less pressure on clinical staff.

One Reading-based, DigiHealth start-up saw the problems – but didn't want to simply launch a solution. IgniteData are experts in their field, so they wanted to disrupt it.

Backed by government funded Innovate UK, they planned to go to market with a new digital product that would create a true paradigm shift in the way clinical research was conducted. The vision was Archer – but they needed a skilled technical partner to help them deliver it.

IgniteData needed a technical partner to develop the EHR to EDC technology, with the following key requirements:

- Innovate the process of generating clinical studies through automation
- Reduce the staffing overheads for conducting a study
- Improve data quality by reducing human error
- Develop HL7 FHIR integrations with clinical systems including EMIS, SystmOne, Epic, Cerner, and AllScripts
- Integrate with a variety of other research solutions like Medidata Rave and Castor EDC to further enrich data capture

The result

Since launch, Archer has delivered on all its promises to the HealthTech sector – and has seen particular success within the pharmaceutical market.

Thanks to its central mapping system, it can deliver rapid, accurate answers to specific eCRF questions through the network of system integration we built.

Key benefits

- Improved data quality, thanks to the fully automated system that reduces the need for manual intervention by clinicians
- Increased efficiency across NHS sites, minimising staff resources needed to run such studies
- Faster delivery times of new studies with limited onsite monitoring required

Over the course of our time working with 6B they have continued to grow in both size and technical ability. This is a testament to their ability to listen, learn and adapt quickly – a key skill when trying to run Agile development projects.

Richard Yeatman - IgniteData

Who we work with: GMCA

The background

Through the Greater Manchester Strategy, Greater Manchester Combined Authority (GMCA) has a big focus on school readiness, including the city region's five-year aim to better the national average for the proportion of children reaching a good level of development at the end of reception.

This, along with an ambition in Greater Manchester's Digital Blueprint to ensure that everyone in Greater Manchester can benefit from the opportunities digital brings, led to the launch of GMCA's Early Years digitisation project, driving forward the aim of giving children in Greater Manchester the best possible start in life.

GMCA developed an 'Early Years' App to digitise the paper-based assessments that were being used to review a child's development up to the age of 2.5 years. Through the development of the app, GMCA wanted to establish a central resource to collect and present data from services (including midwifery, health visitors, speech and language specialists), parents, and guardians in one place. This would give these groups access to both completed assessments and other supporting information, giving users much more control over their own data.

The opportunity

GMCA developed the Early Years App with the aim of automating the sharing of data with relevant professionals to enable the timely identification of required support whilst reducing duplication of effort.

The vision for the app was that it would work as an integrated and centralised system that displayed the relevant completed digital assessments to facilitate better identification of support. To achieve this, the app needed to be integrated with electronic health record (EHR) systems EMIS and SystemOne to give users access to all the information they required within the app.

Our role

Our role was to support GMCA as their expert integration partner. The brief was to enhance the Early Years App by integrating data to improve user experience and, ultimately, the quality of Early Years services.

Key aims

- Integrate seamlessly with EHR platforms including EMIS and SystmOne
- Reduce the duplication of data entry
- Improve data quality by reducing human error
- Promote cross-sector system interoperability

What we did

Our experts built a microservice to integrate GMCA systems with EMIS and SystmOne seamlessly. This created interoperability between the Early Years App and leading primary care EHRs, improving the visibility and quality of data.

The result is that searches for a child's patient data in the Early Years App will now trigger a request to the microservice, ready for the Early Years App to consume and present the data to the user.

Our microservice is responsible for data transit requests. The Early Years App triggers the microservice, which in turn uses websockets to send data to our service app to run the logic that retrieves and pushes data. Once the service app finishes this operation, it pushes back a response (which may contain data), back to our microservice, in order to deploy it to the Early Years App.

The bespoke integration solution we built doesn't involve a license fee model, allowing GMCA to take complete ownership of the integration and adapt this as required going forward. It's a niche approach that not many other providers are able to offer, meaning the interoperability of the app can be altered and improved in the future based on changing needs of the city region's population.

The results

Our team had to overcome several technical challenges over the course of this project. Although there was an initial plan, things quickly evolved as we got deeper into the Early Years App network and the need to scale both solutions efficiently. This is where we developed our service app, which allowed us to scale logically, without having to rewrite software later down the line.

The integration of the Early Years App with the electronic patient records will improve the visibility and quality of early years data and enable professionals to make better informed and more timely decisions.

The interoperability we have created will ensure that both Early Years professionals and parents/carers in Greater Manchester have a seamless digital experience when using the Early Years App.

The work also supports Greater Manchester's ambition to develop the Early Years Integrated Solution; a solution that transforms current paper-based processes and bridges public sector organisations and local authority boundaries to improve the sharing of data and delivery of early years services across the city region.

Who we work with: Suvera

The background

Suvera specialises in long-term condition management. They partner with GP practices across the country to provide a complete support solution, from in-house care teams to clinical admin and additional services for patients to ensure the very best care.

When it comes to their digital experience, patients submit data about their condition through an app, SMS or webform solution, where it's assessed and approved by a clinician. It's then uploaded and coded to a practice's electronic health record (EHR).

Although Suvera is an established service provider for many GPs up and down the UK, they wanted to improve on what they could offer to patients.

The opportunity

In such a time-sensitive and critical industry, Suvera recognised that having the most up-to-date medical records could impact the management of a patient's condition.

It was critical that they develop a digital solution that could bring data from disparate sources into one, centralised dashboard, where it could be analysed by clinicians and results could be relayed quickly to GPs.

Suvera also needed the solution to integrate the various systems they currently use and connect data to the EHR – and they knew they needed an experienced technical partner to do it. This would lift the burden of admin from GPs and give them real-time access to the patient data they need.

The following data would have to be pulled from each patient's record and stored in the database to provide GPs with the relevant context and enable the most effective management of care:

- All demographic data
- The 10 most recent consultations
- All medication data
- Previous clinically inputted data e.g. historic blood pressure values

- Height, weight, smoking and alcohol history, social background, etc
- Last appointment date
- Best form of contact

Under construction...

As with any system integration project, our work with Suvera began by examining their existing systems and processes.

Through a comprehensive research and discovery phase, we were able to understand how the business functioned, and which lengthy admin processes were holding back GPs in focusing on delivering the highest quality of care.

With the discovery phase complete we moved on to designing a bespoke integration solution. It needed:

- Multi-channel access, collating data from Suvera's app
- SMS and webform solutions
- Backend capability will enable Suvera to connect patient data to the EHR

By connecting to the EHR, clinicians and GPs will be able to search an NHS number stored in the Suvera database and pull data to inform the treatment of a patient.

Everything from clinically inputted data to the best form of contact will be visible to (and available on) one screen.

Although we're still in the early stages of development, here are a few key features planned...

- The integration system will be built using Node.js, enabling our devs to quickly build web servers that can easily be scaled in the future
- Patient records can be updated directly into the same system by the GP, with data automatically updated and coded within the new system
- Patient data encryption will be key

Ready to partner with us on your next digital project?