

PRODUCT ENGINEERING SERVICES

BigR.io is a US based consulting company with its headquarters in Boston. BigR.io empowers its clients to drive innovation and advanced analytics through the use of data. BigR.io's expertise in software engineering, product development, database technologies, cloud engineering, web and mobile applications development has helped us to create some highly specialized product engineering services and solutions.

With our broad expertise and access to a large talent pool of IT consultants, we are perfectly suited for providing your company highly reliable agile scrum teams and squads for your product engineering projects. Our teams have expertise in engineering, healthcare, ecommerce, automobiles, telehealth platforms etc to fit your organizations immediate and long-terms technology goals. Our mission is to help

you scale and gear up to stay one step ahead from the rest and emerge as winners in the respective domain. Our solutions create a seamless experience for both the client and their customers and can work within the existing technology ecosystem of your company.



Our innovative solutions offer multi -dimensional platforms that integrate various specialties across Data strategy and roadmaps, Big Data Engineering, Data Science, Artificial Intelligence, Machine Learning and Cloud Computing. We have expertise in the software development and QA Automation of telehealth applications, integration with EMR/EHR systems, video platforms, Smart Apps on FHIR, mobile apps, APIs, SDKs, Cloud platforms (AWS, GCP and MS Azure) CICD and DevOps.

Some of our project engagements include:

- Application modernization of a Monolithic application to a distributed Micro-Services architecture.
- Cloud Engineering and Data Lakes with AWS, GCP, MS Azure and Snowflake.
- Cognitive Digital Twin technology.
- Quantum Computing.
- Mobile Applications listed in the respective EMR systems app stores.
- Implementation of SMART on FHIR and HL7 integrations between Electronic Health Record (EHR) providers and Telehealth platforms.
- Oauth2 and SAML based authentication schemes for Telehealth resource access and sharing.
- Used responsive Single Page Applications (SPA) technologies to provide performant and seamless Telehealth user experience for Patients and Physicians.
- Implementation of TCP and UDP based WebRTC Video and IVR Telehealth solutions connecting Patients, Physicians and Staff.
- QA and Mobile Applications Automation testing frameworks with Device Farm for testing a variety of devices and operating systems (Apple iOS and Android).



While following the Agile Scrum methodology we provide professional services including:

- Agile POD teams and Squads
- Program and Product Management
- Certified Scrum Masters
- Business Analysts
- Software Developers and QA/SDETs
- UI/UX experts



Accelerate framework and methodology:

Our proprietary “Accelerate framework and methodology” offers you access to cutting-edge technologies and access to a vast vetted talent pool. With our optimized scheduling, resource allocation, insights into sprint metrics and JIRA data, your organization will be able to leverage new market opportunities.

Our Advantages - Cost savings, diversity, scalability with highly skilled engineers with top coding skills:

We deliver high quality code in a fast paced delivery and development model. The experience of our engineers in the technologies mentioned above ranges from three to thirty years. We provide our clients with results from an automated coding tests to demonstrate proficiency before being selected for the team. We are experienced in onboarding and the training of additional resources with minimal oversight from clients to ramp up new team members quickly and with high quality. After deployment, the performance assessment is based on metrics of velocity, bugs, skills range, team lead assessment and team fit.

Our experience shows that collaboration is the key to success:

We collaborate closely with the client’s project and product managers to understand the details of the engagement. We utilize online communication tools effectively to keep everyone on the same page. Regular informal and formal updates, brainstorming sessions, lunch and learn webinars, and workshops are conducted to create engagement and ownership in the deliverables. Agility is the key with scrum squads, two-week sprints, demos, retrospectives and grooming initiatives. We stay ahead of the curve working towards your success.



Organizations seeking staffing solutions or product engineering services and solutions can favourably consider us to provide resources to accelerate the design and development of their next-generation software products and platforms.