**A Digital-First Experience**

**The Technical Output**

Output: **Working code** that is thrown away after the event. Code must be feasible from a coding and architecture standpoint.

**The Technical Requirements**

**Provided**

* MVP Documentation - presentation by the SME regarding the measures of success
* High-speed, reliable Wi-Fi with sufficient bandwidth for all participants.
* Charging stations, power strips
* Amazon Web Services (AWS) Account – test account will be stood up for 72 hours
* AWS Account with AWS services (aws-hackathon-account-restrictions pdf)
* AWS help will be available on sight
* Access to IRI Git/GitHub repositories for the standards.
* Access to Git/GitHub for version control.
* **Datasets**: Once provided, data will be available to all teams to use.
* (TBD) A central communication platform like Slack, Discord, or Microsoft Teams.
* Jason Berkowitz, IRI Chief Legal & Regulatory Affairs Officer, will be present and available to provide legal, compliance, and anti-trust input if desired.

**Not Provided**

* **Laptops**
* **Tools for debugging and testing**, such as Postman, BrowserStack, or Fiddler.
* **Local Sandbox Environments** (optional)
  + Any existing platform or solution you want to hit, must be on your local environment.
  + Test your VPN Tunnel and permissions for AWS Account and GitHub ahead of the Hackathon.
  + You will need to validate that you will be able to collaborate with other firms on your team prior to the event.
* **Data**
  + You will need to seed fake, test, play data into the AWS S3 bucket for use during the Hackathon. It cannot be proprietary data. Data will be discarded 72 hours after the event. Examples:
    - Spreadsheets – it does not have to be actual repositories
    - Flat files of the data
    - PPfA files
    - Beacon, Morningstar, or Lipper data

\*\*\*By participating you are agreeing to abide by the rules.

**Team Recommendations**

Each table should have all sides of the market represented. That means a carrier, distributor, or solution provider.

### **Marketer/Storyteller**

* **Why**: Crafts the narrative, presentation, or pitch to sell the idea to judges and stakeholders. First impressions matter.
* **Ideal skills**: Copywriting, public speaking, and branding.

### **Subject Matter Expert (SME) – (Could be the Marketer, also could be the floater)**

* **Why**: Provides domain knowledge about the problem being solved, ensuring the solution is practical and relevant.
* **Ideal skills**: Deep expertise in the hackathon's MVP focus area.

### **UI/UX Designer (2)**

* **Why**: Ensures the product is intuitive, visually appealing, and user-friendly. Clever design can make a big difference. Teams will be evaluated on creativity and usability. The UX is a critical part of selling the solution.
* **Ideal skills**: Wireframing, prototyping, graphic design, and user testing.

### **Developer/Engineer (3)**

* **Why**: Responsible for building the product, writing code, and implementing solutions. They are the backbone of any technical project.
* **Ideal skills**: Proficiency in programming languages, frameworks, or platforms needed. At least one developer who can help build reports and graphs.

### **Data Scientist/Analyst**

* **Why**: These projects involve data and this role handles data analysis, modeling, or insights. They also validate data-driven features.
* **Ideal skills**: Statistical analysis, machine learning, data visualization, and domain knowledge.

### **Solution Architect**

* **Why:** Needed to stub out draft standards. Ensures data structure, pipelines, and storage systems are well-designed, scalable, and optimized for long-term viability. Collaborate with developers and data scientists to ensure data is accessible, secure, and efficiently managed.
* **Ideal skills**: Solution architect who can also code. Expertise in database design and management. Experience with data pipeline tools like Apache Kafka, Airflow, or AWS Glue. Knowledge of cloud storage and compute solutions (e.g., AWS S3)

Comments from AWS:

* The AWS team recommends using Cloud Formation Templates, but if you are planning on using something else, please let us know
* If participants will be on-site at Prudential (whichever location) someone will need to verify access to non-prudential owned AWS accounts via the browser console and command line interface (CLI). This can be tested when we enable the pre-event test sandbox.
* Participants may want connectivity from Prudential to their own AWS accounts or existing platforms, presumably through a VPN. Someone will need to test this outbound connectivity from within the Prudential network.
* Will existing code be on public GitHub repositories or on local laptops? In either case, ensure access from within the Prudential network.
* Who will be providing sample data sets for the event? This data set will need to be anonymized or created as synthetic transactions. AWS team can host the data within the workshop sandbox if provided access.
* AWS team is happy to provide technical support to the event (including some in person if in Newark; Jacksonville will probably have to be all remote), please provide an rough idea of the AWS services or tech domains most likely to be used so we can pull in appropriate specialists. (e.g., Amazon Bedrock, Generative AI, Lambda, etc.)

*Legal Disclosures:*

1. *Work during the event will be done through an Amazon Web Services (AWS) sandbox, and as such, all participants will be required to click-through and agree to the attached AWS Terms and Conditions in order to work in the sandbox. IRI strongly recommends that all participants adhere to your organization’s internal policies and procedures with respect to legal and/or compliance review and approval of the Terms and Conditions prior to the event.*

1. *Participants should not use or include any personally identifiable information or proprietary code in any coding or other work during the event. All coding developed in the sandbox will be discarded at the conclusion of the event.*

1. *The event is subject to the*[*IRI Conference Policies*](https://www.irionline.org/policies/)*, which sets forth IRI’s policies with respect to health and safety, anti-trust, code of conduct, and photographs and video recordings. By attending the event, you acknowledge, accept, and agree to abide by the IRI Conference Policies at all times during the event.*