Hackathon

We Can Help You Grow Your Team of Experts

With Pragmatic Works' Hackathon you can gain deeper insights from your data and use it to meet your specific information needs, leading to better more informed decisions. Our goal is to help sharpen minds and make professional and corporate advancements tangible. We can help you channel innovation into a focused effort and turn your existing team into experts fully capable of both implementing and maintain your solution.

With our expertise we can help you take what you learn and apply it to your own data with confidence. Empower your team to achieve more in a short and manageable timeframe by taking the topics learned during class and applying them to your own data to increase your team's proficiency.

Benefits

- Empower your team to take charge of your environment
- Get in-depth training with minimal time and financial investment
- Choose the focus on the specific technology based on your company's needs
- Conclude with documentation of your team and recommendations for team members

FAQs

1. **How can we ensure the success of a Hackathon?**

   The success of any Hackathon days during this engagement are heavily dependent on the preparation of the Customer. Any requirements, data access, and queries to source systems should be prepared prior to the start of the engagement. Any technical requirements for development work should be intentionally planned small to give the best opportunity to complete during the engagement.

2. **Will the end solution be production ready?**

   Any example solutions developed during the Hackathon should be considered a proof of concept (POC) and not "production ready" at the end of the training engagement.

3. **How many people can we have in the Hackathon?**

   There is a limit of 10 attendees per session to ensure each participant is able to fully reach their potential and receive in-depth training.

4. **What types of technologies would be ideal for a Hackathon?**

   Power Apps, Power BI, Azure Data Services, SQL Server, SSRS, SSIS, SSAS, and Power Automate.

5. **How long is a Hackathon?**

   1 to 10 days depending on the scope

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Power BI Hackathon

Power BI is the powerful and highly popular business analytics service by Microsoft. With Power BI you can unify data from many sources and create interactive dashboards and reports that can be shared across your organization. Power BI is easy to use and creates a data-driven culture and allows you to gain deeper insights from your data for better business decisions.

Benefits of a Power BI Hackathon:

- Take charge of your reporting quickly and with minimal investment
- The reporting presentation layer can include reports, dashboards and more Use your company's ecosystem to create reports on your own data
- Learn how to empower your team to get more out of your business data

Power Apps Hackathon

Power Apps is part of the Microsoft Power Platform that allows citizen developers to build custom business apps for web or mobile use and drive process automation, all with a low or no-code approach. Power Apps leverages the features of Office 365 and the Microsoft platform to build apps in hours, not months.

Benefits of a Power Apps Hackathon:

- Take charge of building apps for your business quickly and with minimal investment
- Teach your team to easily build custom mobile and web apps based on your needs
- No need to be a developer - you can empower anyone on your team to build apps in no time
- Learn about the canvas or model-driven approaches to building applications

Power Automate

Power Automate is part of the Power Platform suite of tools. You can you use Power Automate to easily create automated workflows to improve productivity with business process automation. Use Power Automate to design logic for your Power Apps with the point and click flow designer instead of having to write code, as well as to guide your app users through processes.

Benefits of a Power Automate Hackathon:

- Take charge of automating workflows for your business quickly an with minimal investment Learn to streamline repetitive tasks and create paperless processes
- Boost your team's productivity by learning to build time-saving workflows
- Empower your team to quickly and securely automate tasks, taking advantage of cloud- based data security

Power Platform Hackathon

Microsoft's Power Platform is a powerful business application platform made up of Power BI, Power Apps, Power Automate and Power Virtual Agents. Together they provide the ability to build end-to-end business solutions - quickly and easily build apps and automated workflows, easily share data insights through dashboards and visualizations created with Power BI and build intelligent conversational Chatbots with Power Virtual Agents.

Benefits of a Power Platform Hackathon:

- Give your team the ability to create business solutions quickly and with minimal investment
- Enable your team by learning about each tool in the Power Platform each is powerful on its own but even better together
- Learn to take advantage of bringing all your data together within the Common Data Service, the heart of the Power Platform
- Learn how to connect Power Platform to Office 365, Dynamics 365, and Azure

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Azure Data Services Hackathon

Azure data services allow your business to innovate faster and unlock your data's potential. Use the tools and technologies of your choice, including open source, to build intelligent apps and deploy them anywhere. Microsoft's Azure data services offers services for a wide-variety of data-related needs, giving you flexibility, plus the performance, scalability, and security of the cloud.

Benefits of a Azure Data Services Hackathon:

- Empower your team to utilize Azure data services quickly and with minimal investment
- Give your team the knowledge and tools to tap into your data's potential, wherever it is Learn about the tools and technologies within Azure data services
- Take topics learned in class and apply them to your own data

Business Intelligence Hackathon

Business intelligence (BI) leverages services and software and strategies in order to transform data into actionable insights which can be used by organizations to make better informed business decisions. Business Intelligence integrates data visualization, business analytics and data tools to help businesses become more data-driven.

Benefits of a Business Intelligence Hackathon:

- Take charge of leveraging business intelligence in a manageable timeframe and with minimal investment
- Learn how to utilize BI tools to examine data to understand trends
- Give your team the ability to gain insights by streamlining the efforts of collecting, integrating, presenting, and analyzing business information
- Empower your team to analyze data and present actionable information to executives, share holders and end users

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Fabric Hackathon

Microsoft Fabric is an all-in-one analytics solution that encompasses everything from data movement to data science and business intelligence. It offers a comprehensive suite of services, including data lakes, data engineering, and data integration, all within a unified platform.

Benefits of a Fabric Hackathon:

- Empower all data professionals to use various analytical tools and ETL components into a single environment.
- Eliminate data silos by creating a single lake-centric repository for Power BI reporting, Machine Learning, and Data Warehouse modeling.
- Get lightning-fast refreshes with improved performance on Power BI reports and dashboards.
- Simplify data architecture by combining different data experiences into one collaborative ecosystem.

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SQL Server Hackathon

SQL stands for Structured Query Language, a computer language designed to handle data in a relational database management system (RDBMS). SQL Server is a software and RDBMS developed by Microsoft. It is designed to create and maintain databases, manage and store information, and support business intelligence and analytics operations. SQL Server increases the speed of processing data and with information stored in the database, it provides businesses with a reliable backup system.

Benefits of a SQL Server Hackathon:

- With minimal investment, you can teach your team what SQL Server is used for and how to leverage this innovative technology
- Empower your team with the tools to handle, store and use data more efficiently
- Learn about the various SQL Server editions to decide which offers the features and benefits that best fit your needs

SSRS Hackathon

SQL Server Reporting Service (SSRS) is a set of on-premises tools and services used to create, deploy, and manage paginated and mobile reports. Users can consume reports via email, web browser or mobile device. You can also use SSRS APIs to extend or integrate data and report processing in custom applications.

Benefits of a SSRS Hackathon:

- Enable your team to create, deploy and manage mobile and paginated reports using SSRS with minimal training investment.
- Learn how to leverage SSRS for a wide variety of reporting needs for your business.
- Empower your team with all that SSRS can do with its enterprise-level features, including the ability to connect to a wide variety of data sources.

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SSIS Hackathon

SQL Server Integration Service (SSIS) is a component of SQL Server that is used to execute a wide range of data tasks. This data warehousing tool is used for data ETL (extract, load and transform) like cleaning, aggregating, and merging data. It can extract data from a wide variety of sources, like SQL Server databases and Excel files, and makes it easy to move data from one database to another.

Benefits of a SSIS Hackathon:

- Teach your team to leverage the features of SSIS quickly and with minimal investment Learn about SSIS ETL best practices and how to create SSIS projects with an SSIS work environment
- Empower your team by taking the topics learned in class and applying them to your own data

SSAS Hackathon

SQL Server Analysis Services (SSAS) is an analytics layer that comes in two forms: Multidimensional OLAP Cubes and Tabular Models. SSAS can be installed as an on-premises or VM server instance and used to create enterprise grade business intelligence solutions for your organization.

Benefits of a SSAS Hackathon:

- Teach your team to leverage the features of SSAS quickly and with minimal investment
- Learn how to create OLAP Cubes or Tabular Models which provide rapid analysis of data
- Enable your team to use SSAS to provide analytics data for business reports and client apps with Power BI, Excel, SSRS, and other data visualization tools

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