



DATAHORIZON 

Internship Catalog (PFE) 2023



SUMMARY



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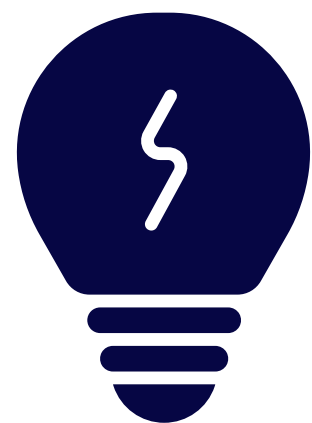


ABOUT DATAHORIZON

DATAHORIZON is an innovative startup specializing in digital transformation based on Microsoft technologies.

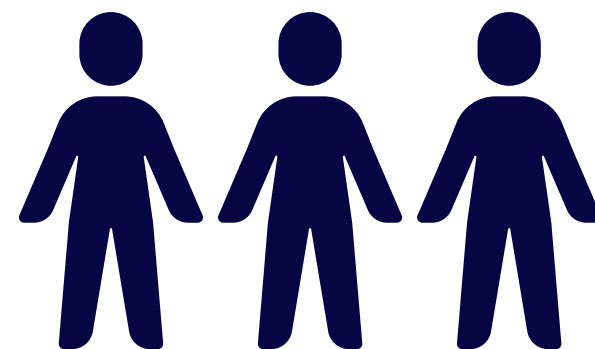
DATAHORIZON was created with the vision of being a digital innovator, helping our customers get the most out of their Microsoft 365 and Azure investments.

Our expert team has helped customers worldwide navigate the challenge of Microsoft 365 and Azure adoption.



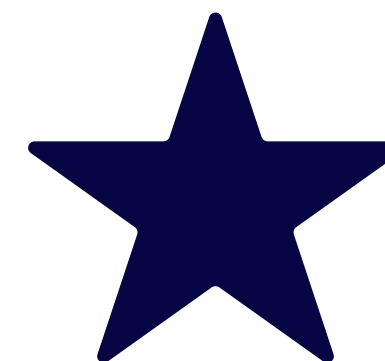
+ 20

**PROJECTS
DELIVERED SO
FAR**



+ 20

**TECHNOLOGY
ENTHUSIASTS**



+ 3

LABELS





WHY JOIN US?



Hybrid/remote work options

Opportunities to grow

Cutting-edge Technology

Culture of fun

Everyone can be part of the company's success

Technology leadership

SELECTION PROCESS

- 1 **Selection on resumes**

- 2 **Language test (French and English)**

- 3 **Technical test**

- 4 **HR interview + Technical interview**

HOW TO APPLY?

Are you looking for an exiting experience? Are you looking for adventure and new technologies? This offer is for you.

- **Choose one to two subjects from the list proposed in the catalog**
- **Send your resume via email to:**
administratif@datahorizon.eu
- **Specify the topic number in the subject line**
- **Once you have passed the first selection on your resume, the HR team will contact you to take the tests**



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CATALOG OF SUBJECTS





Topic 1: Intelligent Chatbots with Microsoft Azure

Overview

Messaging applications are the #1 most used applications in the world and some businesses are already taking advantage of this and developing chatbots of their own to complement their social media presence.

Goals

The purpose of this project is to showcase the power of chatbots and how they can be an alternative to using an application or even a website. The chatbots should be easy to use, respond in a timely fashion, and be all-around user-friendly. The bots should make the user's interaction as easy and fast as possible.

Technologies

This application will be developed using one of Microsoft's newest frameworks; Microsoft Bot Framework. This framework allows for the bots to be built and deployed using Microsoft Azure. Once the bots are hosted on Azure they can be then hosted on various other platforms such as SharePoint Online / Office 365, Skype, Teams, Facebook Messenger, Slack, and more.

The bots themselves are developed using C# using the Microsoft Bot Builder packages.



Topic 1: Intelligent Chatbots with Microsoft Azure



Responsibilities

- You will participate in project design and development stages from the concept to the final hand-off to engineering and customer
- Strong visual design skills with a good understanding of user-system interaction
- Strong problem-solving skills with a creative approach



Basic Qualifications

- Ability to work in a collaborative team environment
- Experience with **C#** programming language
- Possession of excellent oral and written communication skills
- Show motivation and a strong commitment to delivering results
- Have excellent organizational skills and be able to make independent decisions



Additional Qualifications

- **Node JS**
- **C#**
- **Microsoft bot framework**
- **Structured database - SQL skills**
- **Microsoft Azure (preferred)**
- **API development / integration**



Topic 2: Developing an application to encourage users to adopt Green IT best practices

Overview

When utilizing Microsoft services, users should adopt best practices in reducing their carbon footprint.

Goals

The purpose of this project is to encourage users to adopt environmentally friendly Microsoft services utilization.

Technologies

This application will be developed using one of Microsoft's newest Microsoft Azure services.



Topic 2: Developing an application to encourage users to adopt Green IT best Practices



Responsibilities

- You will participate in project design and development stages from the concept to final hand-off to engineering and customer
- Strong visual design skills with a good understanding of user-system interaction
- Strong problem-solving skills with a creative approach



Basic Qualifications

- Ability to work in a collaborative team environment
- Experience with **C#** programming language
- Possession of excellent oral and written communication skills
- Show motivation and a strong commitment to delivering results
- Have excellent organizational skills and be able to make independent decisions



Additional Qualifications

- **Angular**
- **C#**
- **SharePoint Framework (SPFx)**
- **Microsoft Azure (preferred)**
- **API development/integration**
- **Graph API**



Topic 3: Microsoft Azure Governance

Overview

Microsoft services (Office 365, Azure) represent the most successful cloud services and continue to witness strong growth.

Goals

The purpose of this project is to develop an application that helps govern Microsoft services by utilizing advanced Azure services. Exploring Artificial Intelligence use cases will be a plus.

Technologies

This application will be developed using one of Microsoft's newest Microsoft Azure services.



Topic 3: Microsoft Azure Governance



Responsibilities

- You will participate in project design and development stages from the concept to the final hand-off to engineering and customer
- Strong visual design skills with a good understanding of user-system interaction
- Strong problem-solving skills with a creative approach



Basic Qualifications

- Ability to work in a collaborative team environment
- Experience with **C#** programming language
- Possession of excellent oral and written communication skills
- Show motivation and a strong commitment to delivering results
- Have excellent organizational skills and be able to make independent decisions



Additional Qualifications

- **Angular**
- **C#**
- **Microsoft Azure (preferred)**
- **API development/integration**
- **Graph API**



Topic 4: Build DevOps project for Continuous Integration / Continuous (CID) based on Azure DevOp Tool

Overview

Designing a new project requires making the best use of DevOps technologies (Azure Pipelines, Azure Libraries, Graph API, Azure DevOps, etc.)

Goals

The purpose of this project is to showcase the power of DevOps by designing an application that makes full use of Azure DevOps services to automate self-deployment in any Azure environment. One-click deployment should be the ultimate goal.

Technologies

This application will be developed using one of Microsoft's newest DevOps tools: Azure Pipelines, Azure Libraries, Graph API, Azure DevOps, Azure Functions, Azure Blob Storage, etc...



Topic 4: Build DevOps project for Continuous Integration / Continuous (CID) based on Azure DevOp Tool



Responsibilities

- You will participate in project design and development stages from the concept to the final hand-off to engineering and customer
- Strong problem-solving skills with a creative approach



Basic Qualifications

- Ability to work in a collaborative team environment
- Experience with **C#** programming language and **DevOps** environment
- Possession of excellent oral and written communication skills
- Show motivation and a strong commitment to delivering results
- Have excellent organizational skills and be able to make independent decisions



Additional Qualifications

- **Azure DevOps**
- **Node JS**
- **C#**
- **Microsoft Azure (preferred)**
- **API development/integration**



Topic 5: Implementation of a process management APP

Overview

Developing a time and activity management solution under SharePoint and Microsoft Teams.

The aim of this module will be to manage and optimize processes organization.

Goals

This solution will allow to:

- Manage human resources processes
- Manage activity reports
- Generate monthly reports
- Manage project staffing



Topic 5: Implementation of a process management APP



Responsibilities

- You will participate in project design and development stages from the concept to the final hand-off to engineering and customer
- Strong problem-solving skills with a creative approach



Basic Qualifications

- First significant experience in web application development
- Comfortable with **JavaScript**, and ideally familiar with **ReactJS**.
- Able to work in a team while still being independent
- You are not simply looking for an internship but looking for a meaningful project



Additional Qualifications

- **SharePoint Online**
- **Microsoft Teams**
- **SharePoint Framework Extensions (SPFx), PnP**
- **Microsoft Azure (Azure Functions, WebJob, Logic Apps)**
- **Power Platform (Power Apps, Power Automate)**

DATAHORIZON 

Together we can do so much

Join a team of passionate, creative people with a growth mindset who deliver sophisticated solutions.



Any questions?

Contact us for any clarification

E-mail address

Administratif@datahorizon.eu

Web-Site

www.datahorizon.eu

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