



Digital Skills Accelerator

Intro to Azure



WELCOME!

 What brings us here?



Our Values

THIS IS WIZELINE



About the training

This program will cover the fundamental knowledge needed to adopt and understand Microsoft's Azure Cloud offering. The program will also cover the basics of products and services provided by Microsoft Azure Subscription. Students will learn about Microsoft Azure Cloud Concepts and understand the importance of the Cloud for the business.



DSA Learning Methodology

CONCEPTUAL LEARNING

LIVE WORKSHOPS & SELF-PACED STUDY

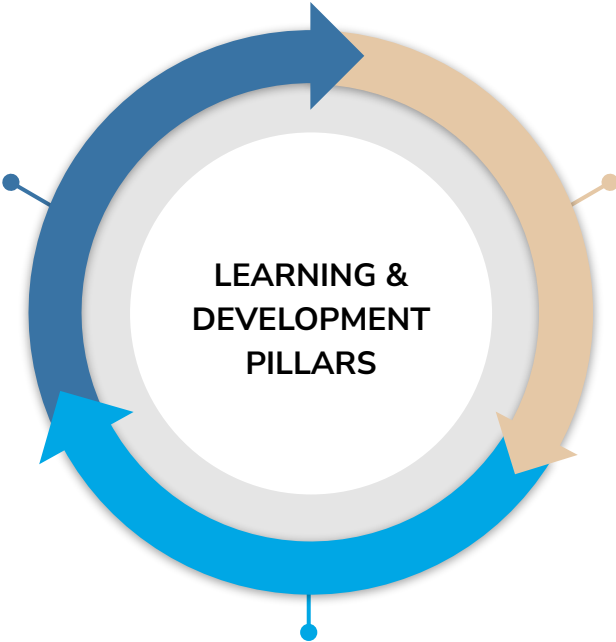
Learning directly from Wizeline industry experts.

Students will see first hand how to solve real problems the **Wizeline way**, while also focusing on the right skills.

MENTORSHIP

PERSONALIZED SUPPORT

We provide **personalized learning** opportunities through 1:1 mentorship and assistance.



LEARNING & DEVELOPMENT PILLARS

HANDS-ON EXPERIENCE

CAPSTONE PROJECTS

We believe that **experience comes from continuous practice**. Students will have the opportunity to work on a project to demonstrate framework application.

About participants

Live Sessions



Content and best practices will be delivered live. See you there twice a week!



On- demand Mentorship Sessions



Request assistance from a mentor for advice and guidance!



Capstone Project



Work on your project. Put what you learn into practice! Rely on your mentors to guarantee success.



Syllabus

Intro to Cloud Computing
Describe the benefits of using cloud services
Describe cloud service types
Core Architectural Components
Identity, access and security
Storage Services
Compute and networking services
Cost management
Governance and compliance
Management and deployment of Azure resources
Monitoring tools

6 weeks of training
2 sessions per week
1 hour per session

Schedule

- Tue 9:00 a 10:00 am
- Fri 10:00 a 11:00am

[Github repository for all information](#)



Session breakdown

Session 1: Friday October 28th 2022 : Kick Off - Introduction

- Kick Off Session : Intro To Azure

Session 2 : Tuesday November 1st 2022 : Intro to Cloud Computing

- Shared responsibility models
- Define Cloud Models
- Describe the consumption-based model

Session 3: Friday November 4th 2022 : Describe the benefits of using cloud services

- Describe the benefits of high availability and scalability in the cloud
- Describe the benefits of reliability and predictability in the cloud
- Describe the benefits of security and governance in the cloud
- Describe the benefits of manageability in the cloud



Session breakdown

Session 4: Tuesday November 8th 2022 : Describe cloud service types

- Describe Infrastructure as a Service
- Describe Platform as a Service
- Describe Software as a Service

Session 5: Friday November 11th 2022 : Core Architectural Components

- Get started with Azure accounts
- Describe Azure physical infrastructure
- Describe Azure management infrastructure

Session 6: Tuesday November 15th 2022 : Identity, access and security

- Describe Azure directory services
- Describe Azure authentication methods
- Describe Azure external identities
- Describe Azure conditional access
- Describe Azure role-based access control

Session 7: Friday November 18th 2022 : Storage Services

- Describe Azure storage accounts
- Describe Azure storage redundancy
- Describe Azure storage services
- Identify Azure data migration options
- Identify Azure file movement options

Session breakdown

Session 8: Tuesday November 22th 2022 : Compute and networking services

- Describe Azure Virtual Machines
- Describe Azure Virtual Desktop
- Describe Azure Containers
- Describe Azure Functions
- Describe Azure Virtual Private Networks
- Describe Azure ExpressRoute
- APIM Services

Session 9: Friday November 25th 2022 : Cost management

- Describe factors that can affect costs in Azure
- Compare the Pricing and Total Cost of Ownership calculators
- Describe the Azure Cost Management tool
- Describe the purpose of tags

Session 10: Tuesday November 29th 2022 : Governance and compliance

- Describe the purpose of Azure Blueprints
- Describe the purpose of Azure Policy
- Describe the purpose of resource locks
- Describe the purpose of the Service Trust portal

Session 11: Friday December 2nd 2022 : Management and deployment of Azure resources

- Describe tools for interacting with Azure
- Describe the purpose of Azure Arc
- Describe Azure Resource Manager and Azure ARM templates



Session breakdown

Session 12: Tuesday December 6th 2022 : Monitoring tools

- Describe the purpose of Azure Advisor
- Describe Azure Service Health
- Describe Azure Monitor

Session 13: Friday December 9th 2022 : Capstone Project DryRun Q&A

- Q&A Session

Session 14: Tuesday December 13th 2022 : Final Demo Session / Bootcamp Closing

- Final Demo & Capstone Project Delivery



Capstone Project

We believe that **experience comes from continuous practice**. That's is why we created a Capstone Project to demonstrate all the knowledge you will get week by week. This Capstone Project will be focused mainly in the creation of tools, roles and the general usage of the cloud services provided by Azure.

Deliverables	Module	Due Date
First	Intro and Setup	November 15th
Second	Cloud Services	November 29th
Third	Governance	December 9th
Presentation	Delivery	December 13th

Training outcomes

At the end of this training, you'll have the skills and knowledge to select appropriate services in Azure to help you build solutions in the cloud

- You will understand the relevance for any IT or Business Professional to know what Microsoft offers from a cloud computing perspective.
- You will understand and increase your knowledge on cloud services, their benefits and challenges.
- You will discover the compute and networking options available, and services that provide massive amounts of cost-effective storage for applications.
- You'll know how to securely deploy workloads to the Azure cloud.
- You'll know about tools for managing and monitoring your services in Azure.
- You will gain a fundamental knowledge about the pricing and support options.

Important Dates

Kick Off	Live Sessions	Mentoring Sessions	Closing
<p>Friday October 28th 2022</p>	<p>Every Tuesday and Friday of each week.</p> <p>From : Tuesday November 1st 2022</p> <p>To : Friday December 9th 2022</p>	<p>Upon Request (On-Demand)</p> <p>Available From : Tuesday November 1st 2022</p> <p>To : Monday December 12th 2022</p>	<p>Tuesday December 13th 2022</p>

How to request a mentoring session

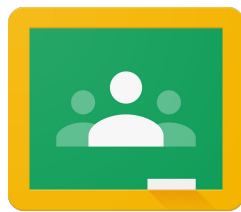
At any point of the training, you can request a 1:1 with an expert from Wizeline. Here is how:

1. Go to our [Github page](#)
2. Search for the **On demand mentoring section**
3. Choose a mentor and click on his link to schedule a call
 - a. A Calendly page will open and you will be able to choose which slot works for you
 - b. Book the call
 - c. The mentor will receive a notification that you booked a 1:1 with him.
4. Join the call in the date and time scheduled
5. Once the meeting finishes, fill in the [mentorship feedback form](#) (available on Github)

Important:

- If you won't take the meeting, please cancel it in the same calendly link you booked it.
- If you are running late, please send a message to your mentor to let him know.
- Mentors will only wait for 10 min if no notification is given and then log of from the call.
- If you still need the session, please book another session following same procedure.

Tools



General info, content and resources
on [Github](#)



Hands-on Experience
Capstone project



Live sessions
on zoom



On demand
1:1 mentoring sessions



Community

LECTURERS AND MENTORS



Erick Torres
Azure Engineer



Sergio Rubio
Azure Engineer



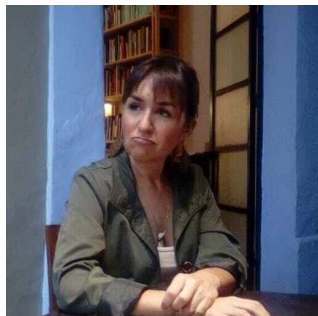
Jeffry Hernández
Azure Engineer



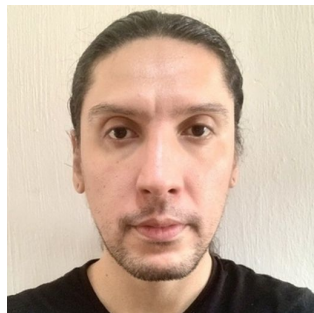
Sinuhé Díaz
Azure Engineer



DSA



Ana Paula Barragán
DSA Program
Manager



Mauricio Sanchez
DSA Project
Manager

INTELLIGENCE EVERYWHERE PRACTICE



Marco Mendoza
Data Scientist



Germán Domínguez
Associate Technology
Director



Ricardo Valdez
Data Scientist

