



CERTIFICADO DE PARTICIPACIÓN

D. / Dña. **Leroy DENIZ PEDREIRA**

Que presta sus servicios en AL TEN SOLUCIONES PRODUCTOS AUDITORÍA E INGENIERÍA, S.A.U. con CIF A79153920, ha realizado la acción formativa **Python Avanzado** con una duración de 24 horas.

Lo que se hace constar en Madrid a 14 de agosto de 2023

Departamento de Formación



Contenidos:

- Regular Expressions
 - Special Symbols and Characters
 - Regexes and Python
 - Some Regex Examples
 - A Longer Regex Example
- Network Programming
 - What Is Client/Server Architecture?
 - Sockets: Communication Endpoints
 - Network Programming in Python
 - The SocketServer Module
 - Introduction to the Twisted Framework
- Internet Client Programming
 - What Are Internet Clients?
 - Transferring Files
 - Network News
 - E-Mail
- Multithreaded Programming
 - Threads and Processes
 - Threads and Python
 - The thread Module
 - The threading Module
 - Comparing Single vs. Multithreaded Execution
 - Multithreading in Practice
 - Producer-Consumer Problem and the Queue/queue Module
 - Alternative Considerations to Threads
- GUI Programming
 - Tkinter and Python Programming
 - Tkinter Examples
 - A Brief Tour of Other GUIs
- Database Programming
 - The Python DB-API
 - ORMs
 - Non-Relational Databases
- Programming Microsoft Office
 - COM Client Programming with Python
 - Introductory Examples
 - Intermediate Examples
- Extending Python
 - Extending Python by Writing Extensions
 - Web Development

Web Clients and Servers

- Python Web Client Tools
- Web Clients
- Web (HTTP) Servers

Web Programming: CGI and WSGI

- Helping Web Servers Process Client Data
- Building CGI Applications
- Using Unicode with CGI
- Advanced CGI
- Introduction to WSGI
- Real-World Web Development

Cloud Computing: Google App Engine

- What Is Cloud Computing?
- The Sandbox and the App Engine SDK
- Choosing an App Engine Framework
- Python Support
- Comparisons to Django
- Morphing "Hello World" into a Simple Blog
- Adding Memcache Service
- Static Files
- Adding Users Service
- Remote API Shell
- Lightning Round (with Python Code)
- Sending Instant Messages by Using XMPP
- Processing Images
- Task Queues (Unscheduled Tasks)
- Profiling with Appstats
- The URLfetch Service
- Lightning Round (without Python Code)
- Vendor Lock-In

Web Services

Text Processing

- Comma-Separated Values