

# Angel Cervera Claudio

Developer since 1998  
Passionate about computers since 1984

**Contractor**

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This is a summarized version of my CV (last 10 years).  
To get the full CV, please contact me or download it from my website.

## POSITIONS

<b>Solution Architect</b> (Hands-on)	●●●●●
Data Architect (Hands-on)	●●●●○
Technical Lead	●●●●◐
Software Engineer	●●●●●
BigData Developer	●●●●○
GIS Developer	●●●○○
Data Engineer	●●●●○

## RESUMED SKILLS

<b>Scala</b>	●●●●◐	<b>Linux</b>	●●●●○
<b>Java</b>	●●●●◐	<b>Docker</b>	●●●○○
<b>Go</b>	●●●○○	<b>Akka</b>	●●●◐○
<b>Python</b>	●●●●○	<b>Hadoop</b>	●●●◐○
<b>Cloud</b>	●●●◐○	<b>Dist.Sys</b>	●●●○○
<b>Spark</b>	●●●◐○	<b>Agile</b>	●●●●○

## LANGUAGES

Spanish ●●●●●  
*First language*

English ●●●●◐  
*Living and working in Ireland since 2014*

## ABOUT ME

I'm passionate about new technologies since the first contact with my ZX Spectrum+ and its BASIC tutorial and now I work as an architect, technical lead, etc.

Since 1998, I have worked on more than 50 large scale projects, mainly all in Java, Scala and related technologies.

During the course of my career, I have been in a lot of different technical positions, from senior software engineer to technical leader and architect shared with team manager and project manager responsibilities.

## WHY SHOULD YOU HIRE ME?

I bring to every project experience, agile methodologies and desire to be with a great team.

No one is more Scala evangelist and advocate than me, but my experience taught me that not everything is nails.

## MOTTO

Good software is only possible with happy developers in a great work environment.

## WHAT AM I LOOKING FOR?

I'm always looking for challenges, no matter the size of the company.

Currently, I **work from the comfort of home** (100% or almost) to don't waste my energy and time in commutes, and invest more time in my projects and my family.

## EDUCATION SUMMARY

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**Computer Systems Technical Engineer Bachelor Degree** (3 years / 1998) in Universidad de Extremadura (Spain).

*I need to present the capstone project, but before I have many more important things to do.*

## FORMAL TRAINING

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- Coursera Generative AI with Large Language Models.
  - [Generative AI with Large Language Models](#) /June 2024
- **Google Cloud Certified. Professional Cloud Architect.**
  - [Professional Cloud Architect](#) /February 2024
- Coursera GCP Specialization: Cloud Data Engineer Professional Certificate
  - [Modernizing Data Lakes and Data Warehouses with Google Cloud](#) /May 2022
  - [Building Batch Data Pipelines on GCP](#) /May 2022
- Kubernetes
  - [LFS158x: Introduction to Kubernetes](#) / July 2020
- Reactive Architecture
  - [CQRS and Event Sourcing - Level 2](#) / April 2020
  - [Building Scalable Systems - Level 2](#) / April 2020
  - [Distributed Messaging Patterns - Level 2](#) / April 2020
  - [Domain Driven Design - Level 2](#) / April 2020
  - [Introduction to Reactive Systems - Level 2](#) / April 2020
  - [Reactive Microservices - Level 2](#) / April 2020
- Akka Microservices
  - [Lightbend Akka for Scala Professional - Level 1](#) / April 2020
  - [Lightbend Telemetry Installation - Level 1](#) / April 2020
- Functional Programming in Scala Specialization
  - [Big Data Analysis with Scala and Spark](#) / June 2017
  - [Functional Program Design in Scala](#) / October 2016
  - [Functional Programming Principles in Scala](#) / September 201
- Scrum Manager Certificated - June 2011 / 16 hours.  
<http://www.scrummanager.net/perfil-de-usuario/userprofile/angelcervera>

## LINKS

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Personal WEB: <http://www.acervera.com>

Github: <https://github.com/angelcervera>

Stackoverflow: <http://stackoverflow.com/users/248304/angelcervera>

Linkedin: <http://www.linkedin.com/in/angelcervera>

Twitter: <https://twitter.com/angelcervera>

## MORE RECENT PROJECTS

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Next, the list of the most recent projects (from 2014). For more information on projects and roles dating back to 1998, available upon request.

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### Bank Of Ireland from April 2024 to Present

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**Primary Role:** Senior Consultant.

**Secondary Roles:** Senior Data / Software Engineer, Senior Data Architect.

**Skills developed:** Architecture and Design, Mentoring, Cloudera Platform, AWS, Python, Spark, NiFi, Hbase/Phoenix, Docker, etc

**Description:** Consultant in Data Solutions department.

- Bridge between Architect and Data Engineers teams.

- Migration and modernization analysis from legacy on-premise Cloudera to Cloudera on AWS.
- Helping and mentoring data engineers in all stages of the project.

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**TCG Land** from **August 2023 to January 2024**

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**Primary Role:** Co-Founder.

**Secondary Roles:** Senior Solution Architect, Senior Data Architect, CTO.

**Site:** <https://www.tcg.land>

**Skills developed:** Architecture, Google Cloud Platform, Firebase, Cloud Run, Cloud Functions, Firestore, Google Cloud Workflows, Google Storage, BigQuery, GoLang, Scala, Astro, Typescript, Vue.

**Description:** Mexico and Latin America's first TCG marketplace.

Architecture and implementation from scratch a fully operative cloud native marketplace:

- Fully serverless elastic architecture to reduce cost and increase performance.
- Pipelines to extract prices, details of new card releases, notifications, delivery workflows, etc...
- Dashboard to track infrastructure performance and cost.

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**UnitedHealth Group / Optum** from **October 2022 to September 2023**

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**Primary Role:** Senior Consultant.

**Secondary Roles:** Senior Solution Architect, Senior Data Architect.

**Skills developed:** Cloud Computing, Mentoring, Benthos, Apache Kafka, Snowflake, Microsoft Azure, Apache Spark, Java

**Description:**

- Mentoring a new team to develop PoCs and Spikes using different technologies and designs.
- Design and hand-on mentoring a solution that normalise and standardise data from hundred of different formats into a common schema into Snowflake, first version using BigData technologies (Spark/Scala) and second version using even-driven cloud-native technologies (Azure Functions, EventGrid, etc.)

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**The Block** from **May 2022 to June 2022**

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**Primary Role:** Senior Data Architect.

**Skills developed:** Scala, Java, Architecture.

**Description:**

- PoC for a Cryptocurrency Exchanges data ingestion Architecture, Design, and Implementation using Google Cloud Provided (mainly Google Data Fusion and BigQuery) technologies and Scala. GCP services comparison (ex. DataPoc and DataFlow) were included in the PoC.

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**Stars** in **UnitedHealth Group / Optum** from **November 2021 to May 2022**

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**Primary Role:** Senior Data Architect.

**Secondary Roles:** Senior Solution Architect.

**Skills developed:** Scala, Java, Linux, Architecture

**Description:**

- Implementation of best practices and SDLC.
- Standardization and rearchitecting of processes.
- Reduction of FTE in data processing through generic framework and processes in Spark.

- Design of Cloud Migration Action Plan.
- Metadata driven ingestion framework Architecture, Design and PoC implementation.

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**Direct+ Monitoring in Dun and Bradstreet from December 2020 to October 2021**

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**Primary Role:** Senior Software Engineer.

**Skills developed:** Python, Scala, Spark, Java, AWS, Cascading, Oozie.

**Description:**

- Decoupling pipelines via AWS services.
- Snowflake pipelines.
- Cascading pipelines.

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**Working on different PoCs in Swiss Re from May 2020 to November 2020**

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**Primary Role:** Senior Solution Architect.

**Skills developed:** Java, Azure, FaaS, SWIFT message files, Python, Scala, Databricks, Spark.

**Description:** Design and implementation of different PoCs related to:

- Function as a Service (FaaS) and Event-Driven architecture.
- Spark and microservices integration and Spark processing in Scala vs Python, PySpark and Pandas.

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**Platform Prime in Dun and Bradstreet from April 2018 to March 2020**

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**Primary Role:** Senior Software Engineer.

**Skills developed:** Scala, Spark, Java, AWS, Cascading, Oozie, Avro, Hbase, ORC, etc.

**Description:** BigData lake that collects data from data providers and exposes it in a homogeneous format.

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**Analytics in Nitro Software Inc. from October 2017 to April 2018**

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**Primary Role:** Senior Data Engineer.

**Skills developed:** Scala, Spark, AWS (EMR, Athena, Data Pipeline, etc), Play.

**Description:** Collection, processing and reporting Desktop/Cloud/Services events.

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**Direct+ Search in Dun and Bradstreet from October 2015 to September 2017**

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**Primary Role:** Senior Software Engineer.

**Skills developed:** Agile project using Scrum, Scala, Spark, Elasticsearch, Java, AWS (EMR, Elasticbeanstalk, etc), Spring, Rest services with Jax-RS / Jersey, Python, Cascading.

**Description:** API to almost real time search in the D&B full data set. I participated in all components of the product: the indexing process, the Rest API, infrastructure, design, etc.

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**Metering and Monitoring in EMC from March 2015 to October 2015**

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**Primary Role:** Senior Software Engineer.

**Skills developed:** Java, spring-integration, RabbitMQ, Hadoop, HDFS, Zookeeper, PIG, MongoDB, Greenplum, linux (Ubuntu Server / Desktop), SVN, Junit, Maven, scrum, agile, Spring-Mvc (RestFul), Ambari, Nagios, Ganglia.

**Description:** As part of an international BigData project, we built the software to collect and show metrics and monitoring the whole system, from the ingestion process to the analysis, gathering system information and business information.

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**BigData Lake / ECPS in EMC from March 2014 to February 2015**

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**Primary Role:** Senior Software Engineer.

**Skills developed:** Java, spring-integration / microservices, RabbitMQ, Hadoop, HDFS, Zookeeper, Sqoop, PIG, MongoDB, Greenplum, linux (Ubuntu Server / Desktop), SVN, Junit, Maven, scrum, agile, Spring-Mvc (RestFul).

**Description:** As part of an international BigData project, we built the software to collect and analyze a large amount of heterogeneous data files gathered from a lot of different systems. This ingestion application was designed with a set of microservices communicated via RabbitMQ. With this data, EMC was capable to analyze and extract a lot of different information, like predict possible problems in EMC customer's services and devices, report usage to different platforms, etc.