

Federico Spatola

Born in Palermo, moved to Trieste for higher education. Nowadays one of the things I like the most is to spend my time (both at work and for fun) developing Python applications and managing data



Palermo, Italy

LinkedIn

(<https://it.linkedin.com/in/federicospatola>)

Github

(<https://github.com/federicsp>)

Career

Python Developer / Data Engineer (Immobiliare.it SPA)

19/04/2021–now
Palermo-remote

Contributing to ETL services, REST APIs, SQL & NoSQL databases, containerization, application deployment.

Full stack developer (Xpand Group LTD)

02/11/2020–02/02/2021
Belfast-remote

Created web-scraping scripts in Python to extract data from various sources.

Technical Skills

Data Engineering

Data Pipeline

Data Transformation

Data Source & Serving

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Data Governance

Data Governance Tools

Data Platform Governance

Operational vs Analytics

Data Platform

Platform Examples

Spark Cloud

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Distributed Computing

Spark Architecture

Apache Spark

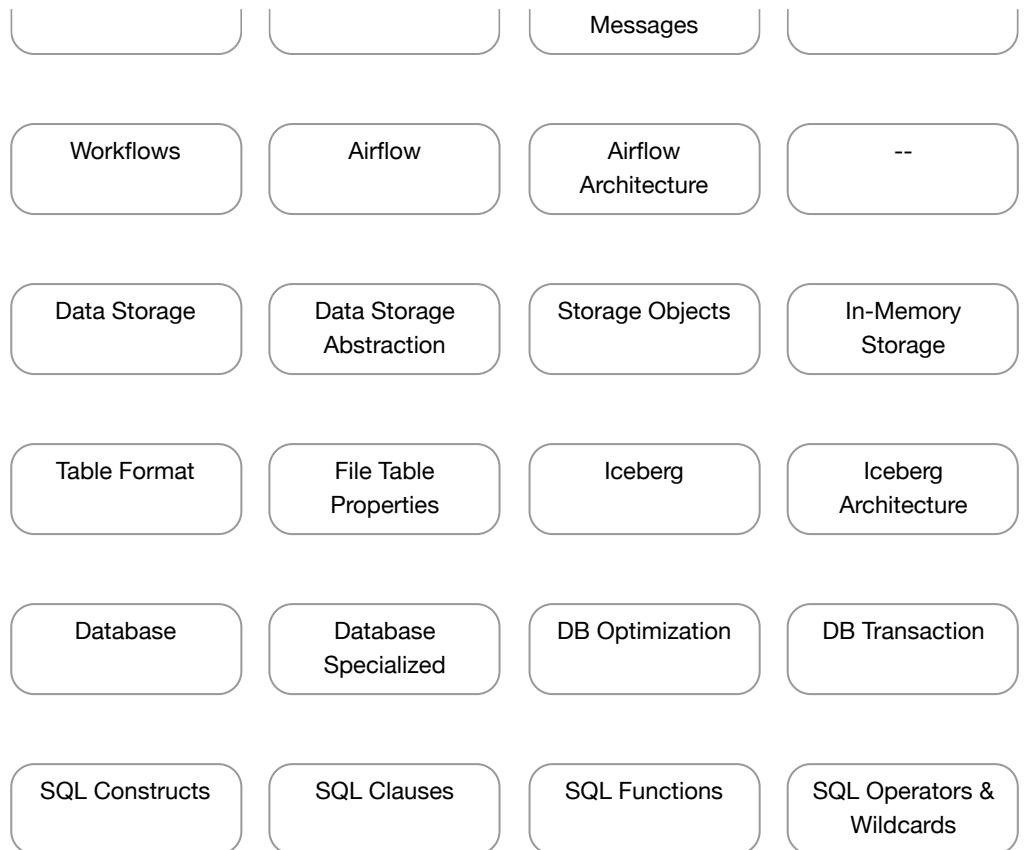
Spark Extensions

ELT

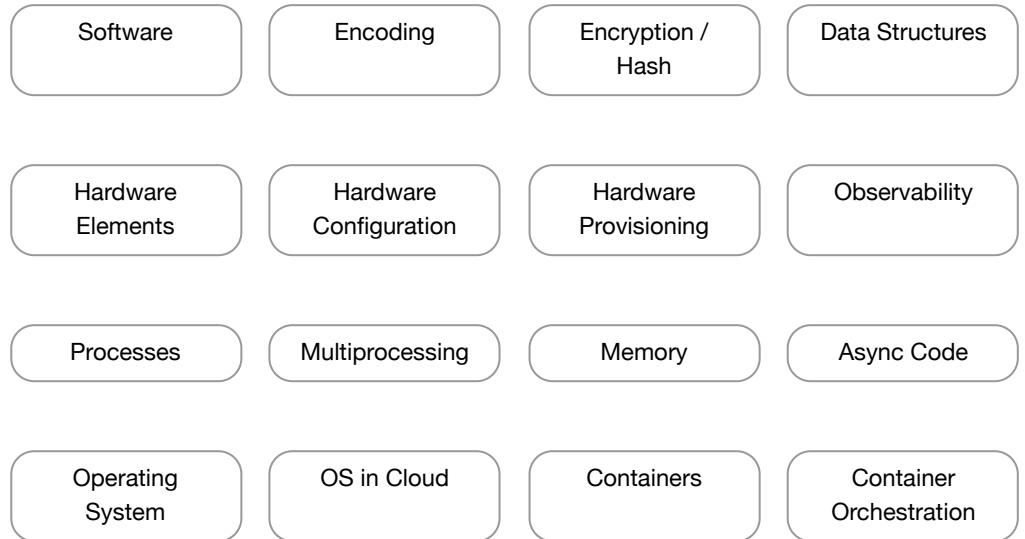
DBT

Brokers

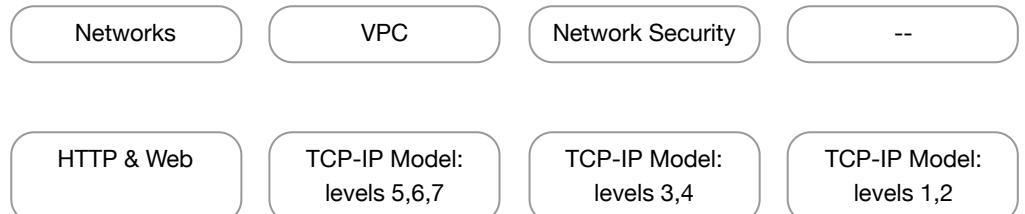
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Software



Web & Networking





Software Design



Agile & Git



Python



Linux



Education

Master in Statistical and Actuarial sciences

University of Trieste, Trieste (09/2018 - 03/2021)

Erasmus+ for study

University of Ljubljana, Ljubljana (02/2020 - 07/2020)

Bachelor in Mathematics

University of Trieste, Trieste (09/2014 - 07/2018)

Scientific maturity

Liceo scientifico Galilei, Palermo (09/2009 - 07/2014)

Cities

Where I have lived

- Palermo >20 years
- Trieste ~6 years
- London Derry ~1 month
- Copenhagen ~1 month
- Ljubljana ~2 months

Book I've read... at least partly

Data Engineering

- Fundamentals of Data Engineering - Joe Reis, Matt Housley - edition 2022
- Data Pipelines with Apache Airflow - Bas Harenslak, Julian de Ruiter - edition 2021
- Python and Snowflake with Snowpark - Snowflake Inc. - edition 2021
- Designing Data-Intensive Applications - Martin Kleppmann - edition 2017
- Streaming Systems - Tyler Akidau, Slava Chernyak, Reuven Lax - edition 2018
- MySQL Architecture - Lenz Grimmer, Jeremy D. Zawodny - edition 2005
- MongoDB The Definitive Guide - Shannon Bradshaw, Eoin Brazil, Kristina Chodorow - edition 2019
- Data Mesh: Delivering Data-Driven Value at Scale - Zhamak Dehghani - edition 2022
- Apache Spark: The Definitive Guide - Bill Chambers, Matei Zaharia - edition 2018
- Kafka: The Definitive Guide - Neha Narkhede, Gwen Shapira, Todd Palino - edition 2017
- Iceberg: The Definitive Guide - - edition 2023
- High Performance MySQL - Silvia Botros, Jeremy D. Zawodny - edition 2012

Python Development

- Python Testing with Pytest - Brian Okken - edition 2017
- Python Cookbook - David Beazley, Brian K. Jones - edition 2013
- Effective Python - Brett Slatkin - edition 2020
- Fluent Python - Luciano Ramalho - edition 2022

Software

- Version Control with Git - Jon Loeliger, Matthew McCullough - edition 2012
- Clean Code Principles and Patterns: A Software Practitioner's Handbook - Robert C. Martin - edition 2008
- Linux Administrators Handbook - Evi Nemeth, Garth Snyder, Trent R. Hein - edition 2018
- Docker: Up & Running - Sean P. Kane, Karl Matthias - edition 2023
- Terraform: Up & Running - Yevgeniy Brikman - edition 2019
- Kubernetes in Action - Marko Luksa - edition 2018
- Kubernetes Up & Running - Brendan Burns, Joe Beda, Kelsey Hightower - edition 2022
- Telemetry and Observability for Engineers - - edition 2021
- Observability Engineering - edition 2021

Web

- The Road to GraphQL - Robin Wieruch - edition 2019
- FastAPI: Modern Python Web Development - Bill Lubanovic - edition 2023

Design Patterns

- Design Patterns: Elements of Reusable Object-Oriented Software - Erich Gamma, Richard Helm, Ralph Johnson, John Vlissides - edition 1994
- Microservice Architecture - Irakli Nadareishvili, Ronnie Mitra, Matt McLarty, Mike Amundsen - edition 2016