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# Marvin Taschenberger

## Data Engineer / Data Architect

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Solution oriented data architect with a strong focus on automation, communication and sharing knowledge. Architectures that create and code that i write always puts humans first.

### SKILLS

<b>Tools and Languages</b>	Python, SQL ( MySQL, Postgres), NoSQL (MongoDB, Clickhouse, Neo4j), Kafka, Linux, Docker, Cloud (Google), Golang (hobby)
<b>Communication</b>	German (mother tongue), English (business professional)

### TECHNICAL EXPERIENCE

**Data Engineer / Data Architect**  
*Solactive*

**Dec 2018 — Present**  
*Frankfurt*

#### Key Responsibilities

- Design, implementation and enforcement of several ITIL conform standards regarding configuration (CM), test (TM) and release (RM) management.
- Providing several guidelines and documentations to point the developers in a direct of a proper micro-service (12-Factor-App) inspired design and promote decoupling, cohesion and SOLID-principles to increase the quality and lower the cost of development.
- Outlines Guidelines for local testing (Unit & Integration Test), system testing and User-Acceptance-Test(UAT) and their integration in the service life-cycle.
- Creating several utilities and deployment templates to implement the new Configuration, Test and Release Management. Including building several CI/CD pipelines as well as the creation of several helpers (based on cookiecutter) that create boilerplate code and folder structures.
- Designing multiple micro-service based end-to-end data pipelines using kafka-stream and pythons Faust Framework.
- Onboarded several vendors for marketdata using various delivery methods and data structures. Reaching from on-demand apis to complex formats delivered via file protocols
- Building a data warehouse for complex-data including data streams and feeds from multiple vendors including end-of-day as well as intraday marketdata.
- Development of a cryptocurrency Index Calculation engine for indices and inavs based on CoinMarketCap's API.
- Training of business-user, analysts and developers in python and general programming
- Supervision and training of the departments software-engineering interns and new joiners

#### Technologies

Python, Kafka, Clickhouse, MySQL, MongoDB, Docker, RabbitMQ, Jenkins, Redis, Airflow, Rundeck, Linux, Grafana, EFK-Stack

**Consultant Data Scientist**  
*STATWORX*

**Oct 2017 — Nov 2018**  
*Frankfurt*

#### Key Responsibilities

- Support and Manage of major projects by creating architectures, ML models,data pipelines and presentations.
- Holding a biweekly python workshop to train fellow employees.
- Numerous side projects
  - development of a AI based Tool to estimate the the success rate for invites on business portal like Linked-In or Xing.
  - support of a development to classify and cost estimation of damages on building based on drone images
  - consulting clients by providing concepts of database-systems, data-pipelines and integration of data science into their product and project life-cycle.s

#### Technologies

R, Python,Docker, PostgreSQL, Linux, Google Cloud

## Outline

Creation of a web based Application to evaluate and forecast customers effect on changes in the pricing strategy. The underlying simulation supported either models either based on statistical elasticity or on a random forest.

## Key Responsibilities

- Extending and fine tuning the statistical and machine learning models by enriching the underlying business model and data pipelines.
- Designing the technical architecture to bring the manual POC into production
- Automation of the data preparation via R , python and airflow and deploy it via docker on premises.
- Design and implement the Full-Stack application using R, R-Shiny, JavaScript.
- Deployed the Tech-Stack on multiple platform over its lifetime including on-prem, Azure and Google Cloud.
- Hold training's, workshops and presentations for the clients to handle the application from the business, technical and management perspective.

## Technologies

R, Python, Airflow, Docker, PostgreSQL, Linux, Azure, Google Cloud

## EDUCATION

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<b>M.Sc. Economics — Major in Statistics and Econometrics - Grade: 1.9 , University of Bonn</b>	2015 — 2017
<b>B.Sc. Economics 2012 — Major in Macroeconomics - Grade: 2.1, Christian Albrechts University, Kiel</b>	2012 — 2015

## INTERESTS

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- D&D and Boardgames
- Cooking
- 3D-printing and modeling
- Coffee