Chris **Schulz**

TEAM LEAD | PRODUCT MANAGER | DATA SCIENTIST | DATA ANALYST

Berlin GERMANY

✉ chris.schulz13@yahoo.de | ⊠ deadhand777 | in chris-schulz-14b9419a

A highly organised and result-driven and passionate data professional, who combines best experience from global financial organisations, consulting firms and FinTech, with a proven track record of successful development, implementation and delivery of organisational change.

Experience

Allgeier IT GmbH   *Berlin, Germany*
DATA SCIENTIST CONSULTANT   *12/2022 - present*

- Implement end-to-end customer-centric data analysis and reporting solutions, dashboard, as well as forecasts and simulations
- Develop metrics and a KPI framwork for the Customer Service department
- Identity and source new datasets to consistently enhance the data universe
- Develop a standardized cloud-based end-to-end data framework from data sourcing over data clearing and transformation to data democratization
- Develop the company's data vision, as well as strategy tailored to the company's business goals and needs

Deutsche Kreditbank AG (DKB)   *Berlin, Germany*
LEAD DATA SCIENTIST   *07/2022 – 11/2022*

- Lead, manage, and develop a team of data scientists towards the application of best practices, standardization, and customer-focus
- Developed the company's data science vision, mission as well as strategy and roadmap tailored to the company's business goals and needs
- Established relationships with key stakeholders and executives by extending the data science target customer segments and leveraging synergy effects across the company
- Collaborated closely with various product teams to understand business problems, requirements, and restrictions to implement end-to-end algorithm-based solutions to leverage business value

Europace AG   *Berlin, Germany*
DATA SCIENTIST | TEAM LEAD CENTRAL DATA TEAM   *01/2021 – 07/2022*

- Lead Europace towards data-drivenness by reshaping the data strategy
- Build and extend a central data lake including service landscape to leverage synergies for business purposes across all Europace stakeholders
- Develop a data preprocessing framework on scale to enhance data quality significantly
- Enhance data quality significantly by the implementation of an ML-based anomaly detection mechanism that automates data validation
- Embed time series forecasting in data consummation tools to enable a forward-looking attitude across decision-makers

Europace AG   *Berlin, Germany*
DATA SCIENTIST | PRODUCT OWNER CENTRAL DATA TEAM   *06/2020 – 01/2021*

- Developed a standardized cloud-based end-to-end data framework from data sourcing over data clearing and transformation to data democratization for both loans and mortgage business
- Created and continuously extended KPI Dashboards across various teams and departments to set the base for data-informed decision making

Europace AG   *Berlin, Germany*
DATA ANALYST LOANS BUSINESS   *08/2016 – 06/2020*

- Consult financial institutions and brokerage firms with regards to the implementation of technology innovation and data needs
- Lead Europace loans platform data driveness campaign
- Communicate key insights via self-developed interactive shiny apps for executives, sales force, business desicion makers and operational purpose

Cerulli Associates   *London, UK*
QUANTITATIVE ANALYST   *10/2015 - 08/2016*

- Provisioned data insights by sourcing, validating and analyzing data
- Executed model calibration, market sizing and forecasting of various European markets and asset classes
- Conducted research and captured distribution trends in institutional asset management along the institutional investment chain to calibrate client's market penetration strategies

Lloyds Banking Group   *Berlin, Germany*
BUSINESS ANALYST   *03/2014 - 10/2015*

- Designed asset allocation framework for investment project for mass affluent clientele
- Provided essential market research to identify potential market for innovative, web based investment tool aimed at providing ongoing investment advice, reacting to the market
- Developed a portfolio of investment vehicles covering the whole customer spectrum
- Created a selection algorithm utilising customer preferences, assessing qualitative and quantitative ETF characteristics to provide advice

Alstom Power
Zurich, Switzerland

PROJECT MANAGEMENT TRAINEE
12/2013 - 03/2014

- Supported control and budgeting of full project lifecycle for construction to commissioning of EMEA power plants, ensuring budget compliance across 4 projects
- Created and presented financial forecasts, construction reviews, financial reviews, cost calculation execution, information database updates ensuring clarity of information

Education

Leipzig University
Leipzig, GER / London, UK

MSc. MANAGEMENT SCIENCE
10/2011 – 10/2013

- Key areas: finance, accounting and taxation
- Dissertation: Portfolio Management and Overlay Strategies in Practice
- Semester abroad within Erasmus exchange program (University of East London)

Leipzig University
Leipzig, GER

BSc. ECONOMICS & MANAGEMENT SCIENCE
10/2008 – 10/2011

- Key areas: accounting, finance, macroeconomics
- Dissertation: Information Content of Lagged Equity and Bond Yields

Selected Skills

Cloud Computing: AWS Certificate ● Amazon S3 ● AWS Glue ● AWS Code Pipelines ● AWS SageMaker ● Redshift ● Amazon Athena ● Amazon EC2 ● AWS Lambda ● Amazon Elastic Container Registry ● Amazon EventBridge ● Amazon Timestream

Communication: presentations ● work shops ● teaching and education ● dashboard design (Shiny, Redash, AWS Quicksight) ● data analysis reports (Rmarkdown, Jupyter, Quarto) ● data visualization (highcharts, plotly, ggplot2, leaflet, matplotlib, seaborn)

Mashine Learning: data preprocessing ● feature selection and engineering ● performance evaluation ● Regression (Linear Regression, Logistic Regression) ● Instance-based (k- means, SVM) ● Regularization (Ridge, LASSO, Elastic Net) ● Instance-based (kNN, SVM) ● Clustering (k-means, Hierarchical Clustering) ● Ensemble (Random Forrest, GBM, XGBoost, Catboost) ● Dimensionality Reduction (PCA, UMAP) ● Deep Learning (RNN, LSTM) ● Bayes (Naive Bayes, GNB)

Other Technology: Bloomberg ● Morningstar ● Lipper ● Datastream Certificate ● Docker ● GitHub ● Gitlab ● REST-API ● ElasticSearch ● MongoDB

Project Management: Jira ● Confluence ● Github Projects ● Kanban ● Scrum

Statistical Software: Python ● R ● SQL ● Apache Spark ● Presto

Time Series: ARIMA ● GARCH ● Cointigration ● Monte Carlo Simulation ● Markov-Chain ● RNN ● TFT ● Process Mining ● Time Series Forecasting ● Time Series Clustering