TOBIAS LAEMMLE

EXECUTIVE SUMMARY

- Senior architect with 18 years of experience, outstanding breadth of IT knowledge in multiple domains and also capability to go in depth.
- Successfully led the implementation of global, complex and technical challenging projects and products. Implementation of PSD2, Leading AI projects and studies, Accompany the opening of a new branch in China, Introducing a new Management Information System.
- Built up, led onsite and offsite associates to fully extend to utilize and develop their skills.
- Microsoft Certified Azure Fundamentals with solid hands on experience in modern software development and programming languages like Python.
- External lecturer at ESCP Business School in Paris for Master in Management as well as External lecturer at Freie Universiät Bozen for Data Science students and External lecturer at IHK Karlsruhe, IHK Mannheim and IHK Reutlingen.
- Author of "Data Analytics für Einsteiger: Daten verstehen lernen für bessere Entscheidungen".

PROFESSIONAL EXPERIENCE

Free University of Bozen-Bolzano   Bozen, Italy
External lecturer - Machine-Learning   *March 2025 to present*

- External lecturer for Natural Language Processing at Free University Bozen-Bolzane in Italy. The course covers the application of algorithms and statistical techniques in the areas of natural language processing and predictive web analytics.
- Responsibilities: Write a syllabus, give lectures (via Zoom) and assignments as well as a final exam. Grade every student with a final score.
- Technologies and Frameworks: Python (NLP), Hugging Face Transformers, Jupyter Notebooks
- Key Concepts: Embeddings, Knowledge Construction, Prompt Engineering, Advanced NLP Techniques

IHK Reutlingen   Reutlingen, Germany
External lecturer - Data Science   *January 2025 to present*

- External lecturer for Data Engineering at IHK Reutlingen. The course teaches how to use previously collected data to build, evaluate and fine-tune Machine-Learning models as well as understand and interpret the results and KPIs of those models.
- Responsibilities: Write a syllabus, give lectures and assignments as well as a final project. Decide if the project fulfills the criteria for a IHK certification.
- Technology/Frameworks: Skool, Zoom, Python for Machine-Learning, Jupyter Notebooks.

IHK Mannheim   Mannheim, Germany
External lecturer - Data Engineering   *October 2024 to present*

- External lecturer for Data Engineering at IHK Mannheim. The course teaches how to collect and save data (i.e. in data lakes). How to pre-process and structure data (i.e. in databases) and how to build data pipelines for a constant flow of new data. The students work with Microsoft Azure, Azure Data Factory, Hadoop and Spark.
- Responsibilities: Write a syllabus, give lectures and assignments as well as a final project. Decide if the project fulfills the criteria for a IHK certification.
- Technology/Frameworks: Skool, Zoom, Microsoft AzureML, Azure Data Factory, Hadoop, Spark.

IHK Karlsruhe   Karlsruhe, Germany
External lecturer - Data Analysis   *January 2022 to present*

- External lecturer for Data Analysis at IHK Karlsruhe. The course teaches how to analyze, prepare and visualize data before using it for Machine-Learning models as well as understand and interpret the results and KPIs of those models. The course teaches basic statistical knowledge, an introduction to work with data using Python as well as visualize it using Pandas and Tableau.
- Responsibilities: Write a syllabus, give lectures and assignments as well as a final project. Decide if the project fulfills the criteria for a IHK certification.
- Technology/Frameworks: Skool, Zoom, Microsoft AzureML, Python, Tableau.

ESCP Business School   Paris, France
External lecturer - Machine-Learning   *February 2021 to present*

- External lecturer for Machine-Learning at ESCP Business School in Paris. The course is an introduction into the topic for Master in Management (MiM) students and gives a broad overview as well as practical experience working with Machine-Learning models, algorithms and KPIs.
- Responsibilities: Write a syllabus, give lectures (via Zoom) and assignments as well as a final test. Grade every student with a final score.
- Technology/Frameworks: Blackboard, Zoom, Microsoft AzureML.

Finanz Informatik Solutions Plus GmbH   **Fellbach, Germany**
Project Manager (IT Workstream) - Opening new China branch   *January 2020 to present*

- Managing software developers and deliver software for front-end systems. Supervise SWIFT On-Boarding process and implementation of new transaction routes to China branch. Secure that Chinese compliance and regulatory requirements are met from the implemented systems and their respective architecture.
- Responsibilities: Lead +/-15 developers on- and offsite, complete responsibility for multiple IT platforms (Strategy, Design, Build, Run), Lead a team of Project managers, Vendor management.
- Technology/Frameworks: Scrum / Agile, PMP, JIRA (Toolchain), Meister-Task.

Podcast Host - KIXpertS   *June 2020 to Present*

- Planning and hosting monthly episodes of a corporate podcast about artificial intelligence (AI).
- Responsibilities: Prepare topics, questions and guests, as well as edit and publish and promote episodes.
- Guest Speaker at podcast around the topi of AI.

Lead Engineer - IPF (API for MDS & CRS)   *January 2020 to January 2021*

- Plan and build delivery of new API with customer and transaction data from the (overall) banking system to provide Compliance systems of Federal State bank with data for Fraud prevention and AML.
- Responsibilities: Build and export daily files with all required information and marks in a format the new API is able to read and process.
- Technology/Frameworks: SAS, RedHat Linux, Shell Script, SQL.

Trainee Supervisor - Bachelor and Apprentice   *January 2018 to present*

- Planning and coordinating on the job training phase of students and apprentices in Stuttgart.
- Responsibilities: On-boarding, feedback/council and supervision of term papers.

Project Manager, Lead Architect - AI Solutions (Fraud & AML)   *January 2018 to December 2019*

- Lead external development teams creating machine-learning models to reduce the false-positives rate of Fraud and AML solutions. Lead project team to implement regulatory requirements like SCA (2-Factor-Authentication), automatic fraud reporting and real-time transaction monitoring in Federal State bank. Planning architecture and implementing a MIS for tracking performance.
- Responsibilities: Strategy, Design, interpret KPI's, Security Architecture , Vendor management, Business Impact Analysis (BIA), Software Architecture Document (SAD).
- Technology/Frameworks: Scrum, Python, Anaconda, OAuth, MQSeries, SAP, Theobald, JBoss.

Senior Software Developer - SAS Business Intelligence   *March 2016 to December 2017*

- Plan and build a data mart with customer and transaction data to provide Compliance systems of Federal State bank with data for Fraud prevention, AML and Embargo. Plan and build a data mart with payments transactions to provide Federal State bank with mandatory reports for regulating authorities.
- Responsibilities: Manage data marts and platform (application management, life-cycle-management), Vendor management.
- Technology/Frameworks: SAS, RedHat Linux, Shell Script.

DYMATRIX

Stuttgart, Germany

Consultant - Business Analyst, Solution Designer   *November 2008 to February 2016*

- Successfully completed Business Intelligence consulting projects in finance, insurance and logistics industry.
- Responsibilities: Requirements Engineering, Software Architecture Document (SAD), Software Architect, Vendor Management.
- Technology/Frameworks: SAS, HTML, CSS, Java, XML.

DB Schenker

Filderstadt, Germany

Solution Designer   *June 2006 to September 2008*

- Optimizing Supply-Chain-Management processes in the airfreight export department.
- Responsibilities: Development of front-end tools to keep track of airfreight cargo and print necessary customs documents.
- Technology/Frameworks: Visual Basic, MS Access

Pforzheim University of Applied Sciences

Pforzheim, Germany

Scientific assistant   *June 2005 to May 2006*

- Scientific assistant for course administrator.
- Responsibilities: Assist with the preparation and delivery of lectures, seminars and promotional material.
- Technology/Frameworks: Adobe Illustrator

PUBLICATIONS

Author   *2024*

- Data Analytics für Einsteiger: Daten verstehen lernen für bessere Entscheidungen

EDUCATION

- **Information Systems (Dipl. Ing (FH) Pforzheim University of Applied Sciences**
  Elective subjects: Algorithm, Statistic, Multimedia Design, 2002 - 2006, Germany

HONORARY APPOINTMENT

Toastmaster President   *2019*

- President of Rednermanufaktur, the local Toastmaster Club in Stuttgart
- Responsibilities: Presiding at meetings of the Club, general supervision of the operations of the Club. Serving as the Club's representative on Area and District Councils.

CERTIFICATIONS

- Microsoft Certified: Azure Fundamentals (AZ-900,), Certified ScrumMaster® (CSM®), SAS Certified Base Programmer for SAS 9, CSS, APIs and Microservices, Machine-Learning | Microsoft Azure (Studio), Responsive Web Design.