

EDUCATION

- **IU International University / London South Bank University** Remote, Germany
Master of Science in Artificial Intelligence 2021 - 2023
- **Dual Study on Hochschule für Telekommunikation Leipzig** Leipzig, Germany
Bachelor of Science in Computer Science (Thesis about Machine Learning and BLE Proximity) 2017 - 2020

EXPERIENCE

- **Deutsche Telekom** Berlin, Germany
Fullstack Softwarearchitect 2017 - Present
 - **From Monolith to Microservices:** The customer wanted to migrate from a complete monolith application to a microservice architecture. A micro frontend and backend architecture allow developers to freely add and scale their services. I had a significant impact and responsibility of designing a micro frontend and backend architecture for easy scaling, maintaining, and monitoring. (*Webpack, TypeScript, Java, Hibernate, SQL, Lit, Vue*)
 - **Situational Awareness Dashboard:** Designing and developing a situational awareness dashboard with realtime functionality and efficient calculation of different events and KPIs. (*Java, SpringBoot, Scala, Angular, TypeScript*)
 - **Real time Indoor Tracking:** Fullstack development on a real time asset indoor tracking service including UWB, LTE, and BLE. (*Java, SpringBoot, Scala, Angular*)
 - **Creating Data Pipeline:** Designing and developing a data pipeline for real time location data from different devices to multiple sources. (*Python, SQL, Apache Spark*)
- **Company Consulting Team** Berlin, Germany
IT Consultant 2019 - 2021
 - **Inhouse HR-Tool:** Designing and developing a fully functional HR-Tool to see all employees, skills, and experience. (*Vue, TypeScript, C*)
 - **Inhouse Polling Tool:** Fullstack developed a polling tool for voting directly in real time in meetings allowing to make easier decisions. (*Vue, TypeScript, Node.js*)
 - **Landing Page:** Developing a landing page for a real estate company to attract and maintain customers. (*React, TypeScript, Tailwind*)
 - **Merging and Analyzing Data:** Data Science project I was involved in merging and analyzing different data sources. (*Python, NumPy, Matplotlib, Pandas*)

PROJECTS

- **Todover:** A fully functional weekly planer web application for easier managing your tasks and deadlines. (*Vue, TypeScript, Node.js, Postgres, Prisma, GraphQL*)
- **Insta-Clone:** Scalable instagram clone powered by microservices. (*React, TypeScript, Go, gRPC*)
- **Kira:** Kira is a fully functional remote docker based sandbox code execution engine written in Go. (*Go, Docker*)
- **Pneumonia Detection:** Built with the help of CNN and Keras, a machine learning model which detects pneumonia on radiology images. (*Python, Keras, Matplotlib*)
- **Lungcure:** Web application for detecting lung diseases via uploading an image. (*Python, Tensorflow, Flask, JavaScript*)

PROGRAMMING SKILLS

- **Languages:** TypeScript, Javascript, Go, SQL, Python, Java, Swift
- **Technologies:** AWS, React, Vue, Angular, Blockchain, SpringBoot, Node.js, Electron, Docker, Tensorflow, PyTorch

CERTIFICATIONS, TALKS, AND AWARDS

- **STARHACK Hackathon:** Won the first price on a challenge. The final product was an interactive map where residents of Switzerland could post infrastructure improvements.
- **Talk: Applications of GPT-3:** Invited by DLR to give a keynote presentation regarding the applications in software development of the language model GPT-3.
- **Talk: What does the future of artificial intelligence look like?:** ClubHouse conversation about the future of artificial intelligence.
- **Talk: What is artificial intelligence?:** Twenty minute talk about what artificial intelligence is and is not.
- **Udacity Data Engineering:** Design data models, build data warehouses, data lakes, and automate data pipelines.
- **Udacity Intro Self-Driving Cars:** Fundamentals of self-driving cars, Python, apply C++, and computer vision.