

EXPERIENCE

- Codary**
Web Team Lead and Fullstack Softwarearchitect

Berlin, Germany
 2022 - today

 - **Education Web App:** Leading the web team to build an education web application specifically for kids learning programming. (*Next.js, TypeScript, Tailwind, Google Cloud*)
 - **Interactive Web IDE:** Developing an scalable and interactive Web IDE for running code in the browser. (*Go, Next.js, TypeScript, Tailwind, Google Cloud*)
- Deutsche Telekom**
Fullstack Softwarearchitect

Berlin, Germany
 2017 - 2022

 - **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*)
 - **Pairing Android App:** Designing and developing an android app that pairs a Bluetooth Low Energy Beacon with a QR-Code. (*Kotlin, SQL*)
- Company Consulting Team**
IT Consultant

Berlin, Germany
 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*)

EDUCATION

- IU International University / London South Bank University**
Master of Science in Artificial Intelligence

Remote, Germany
 2021 - 2024
- Dual Study on Hochschule fr Telekommunikation Leipzig**
Bachelor of Science in Computer Science (Thesis about Machine Learning and BLE Proximity)

Leipzig, Germany
 2017 - 2020

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*)
- **Vue Cirrus:** Open Source Vue component library for the Cirrus CSS framework. (*Vue, JavaScript, CSS*)
- **Fake Graph:** A fake GraphQL server for practicing using GraphQL. (*GraphQL, TypeScript, TypeORM*)

PROGRAMMING SKILLS

- **Languages:** TypeScript, Javascript, Go, SQL, Python, Java, Rust
- **Technologies:** Google Cloud, React, Vue, Angular, SpringBoot, Node.js, Docker, 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.