

SKILLS

TypeScript | JavaScript | Go | Python | Java | Rust | SQL | NoSQL | Node | React | Vue | Redux | Tailwind
PyTorch | Machine Learning | Cloud Computing | CI/CD | Jest/Vitest | Unit Testing | Game Development |
Microservices | Frontend | Backend | Full-Stack | English, German - *All professional proficiency or above*

EXPERIENCE

- **Web Team Lead** **Codary** *Berlin, Germany* 2022 - today
 - Led the web team building a more scalable and maintainable web architecture using technologies like **Google Cloud**, **React**, and **Next**, resulting in an increase of the bundle size by over 30%.
 - Led the development of a scalable interactive web coding IDE using **Go**, **React**, **Next**, and **Google Cloud** resulting in an overall increase of customer retention.
 - Continuous Integration/Deployment pipeline integration, load/stress testing, unit/integration/e2e testing
- **Fullstack Softwarearchitect** **Deutsche Telekom** *Berlin, Germany* 2017 - 2022
 - Designed and developed a frontend and backend microservice architecture with **TypeScript**, **Java**, **Hibernate**, **Vue**, **Lit**, and **SQL** for a client's migration from a monolith application.
 - Built a real-time situational awareness dashboard with efficient event and KPI calculation using **Java**, **SpringBoot**, **Scala**, **Angular**, and **TypeScript**, improving decision-making in critical situations.
 - Spearheaded the full-stack development with **Java**, **SpringBoot**, **Scala**, and **Angular** of a real-time indoor asset tracking service, leveraging cutting-edge technologies such as UWB, LTE, and BLE.
 - Designed and developed an android app with **Kotlin** and **SQL** that pairs a Bluetooth Low Energy Beacon with a QR-Code which had a significant contribution to the overall team productivity.
- **IT Consultant** **Company Consulting Team** *Berlin, Germany* 2019 - 2021
 - Engineering owner of an inhouse HR and polling tool that increased the productivity of other teams and the interactivity in meetings using **Vue**, **TypeScript**, and **Node**.
 - Designed and developed a highly effective landing page with **React** and **TypeScript** for a real estate company, resulting in a 30% increase in leads.
 - Utilizing **Python** and **SQL** to merge and analyze multiple data sources for a data science project, resulting in valuable insights and actionable recommendations for the client.

EDUCATION

- **Master of Science in Artificial Intelligence** *Remote, Germany*
IU International University / London South Bank University 2021 - 2024
- **Bachelor of Science in Computer Science** *Leipzig, Germany*
Dual Study on HfTL and Deutsche Telekom 2017 - 2020

PROJECTS

- **reflow**: Compiled and interpreted programming language that is easy to learn and easy to use developed in Go.
- **kira**: Scalable and production ready remote code execution engine that allows to run code in an isolated environment developed with Go including a web code editor written in React.
- **rnn**: Highly efficient and minimalistic deep learning library developed in rust.
- **insta-clone**: Scalable instagram clone powered by microservices, React, TypeScript, Go, and gRPC.
- **fake-graph**: Fake GraphQL server that can be easily used and set up to fake data with a GraphQL schema developed in TypeScript and TypeORM.

OTHERS

- **STARTHACK Hackathon**: Won the first price on a challenge for developing an interactive map where residents of Switzerland could post infrastructure improvements and vote on them.
- **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 is artificial intelligence?**: Twenty minute talk about what artificial intelligence is and is not.