

# Philipp Kanaan



## Roles

Software Engineer & Developer  
Auditor & Tester  
User-Experience (UX) Designer



## Education

Bachelor of Science Information Management  
(computer science & economics)  
University of Koblenz Landau, Germany



## Languages

German (native speaker)  
English (fluent)  
French (good working knowledge)



## Contact

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固体



# Project History (1/2)



## led development of data center management application

as a lead software/UX engineer and product owner at Northern Data AG, 10/2020 until today

I led a team of seven software developers/engineers using agile practices at Northern Data. The software system for which I was responsible consists of multiple services (some of them rather monolithic) that talk to each other via a message queue/broker. The system is mainly constructed with nodeJS and Typescript, but it also involves microcontrollers and a proprietary operating system (which is derived from Tinycore Linux). The purposes of the software system are the setup, automation, operation and optimization of thousands of servers. It solves problems that very reputable competitors could not solve, and is valued accordingly. Apart from leading the team, I also had the role of product owner and UX designer, resulting in respective tasks and responsibilities.



## developed self-service-platforms in Kubernetes-context

as a Software/UX Engineer at German Edge Cloud GmbH & Co KG (previously iNNOVO Cloud GmbH), 10/2018 - 09/2020

At German Edge Cloud I first developed a self-service-portal that was able to spin up enterprise Blockchain networks via Kubernetes. The respective web application was built with Laravel, VueJS, and Hyperledger Besu. After finishing this project I was part of an engineering team to maintain and improve an internal billing application based on Python, interfacing with Kubernetes. Other than that I implemented UX-improvements in several projects.



## developed FinTech-application that includes Blockchain technology

as a Software/UX Engineer at finbc GmbH, 04/2018 - 02/2019

At finbc I helped design and develop a factoring application that leveraged Blockchain technology to help SMEs get funding and stay liquid. The software was created with Laravel and Hyperledger Fabric.



## executed crowdfunding-campaign (security token offering)

as a consultant at Intelligent Fluids GmbH, 05/2018 - 01/2020

Intelligent Fluids saw Blockchain technology as way of funding global expansion in the form of new plants at different locations, through a so-called token offering. With this goal I was hired as a consultant to design the respective token in accordance with the BaFin and prepare the offering with respective digital tools.



## co-founded and managed IT service provider

named treevolve GmbH, 04/2018 - 01/2020

I co-founded treevolve with a good friend of mine after leaving the previous company as a reaction to the enormous need for technical competence on the markets, regarding Blockchain technology. We successfully implemented several projects, executed technical audits, and gave multiple talks and seminars on the topic. We had a team of seven people ranging from lawyers and sales-staff to software engineers.

# Project History (2/2)



## **gave talks and lectures regarding Blockchain technology**

as a lecturer on various occasions from 04/2018 until today

Some of the more noteworthy talks/lectures dealt with applying Blockchain technology to the healthcare sector and how to deal with money laundering from a Bank's perspective.



## **developed software for medical practices (including Blockchain)**

as a software/UX engineer, team lead, and product owner at eoceo GmbH, 07/2016 - 03/2018

At eoceo I lead the development of a software system that leveraged automation and the aggregation/combination of patient data to greatly improve diagnostics (and more). My team consisted of six software engineers with different specializations. The underlying technologies were Ruby, EmberJS, and Ethereum.



## **developed content management system**

as a software/UX engineer and key account manager at Chamaeleon AG, 07/2013 - 06/2016

Chamaeleon developed an own content management system with a lot of improvements compared to the competition (e.g. Wordpress). At Chamaeleon I designed and implemented new features for this product, using mainly Java. Apart from that I held customer workshops and I was responsible for managing specific key accounts.



## **additional tech**

The following list outlines the skills and experience that I have not mentioned above:

- 1 Test-driven-development
- 2 Versioning Systems (Git)
- 3 Relational and document-based databases
- 4 (rudimentary knowledge:) Docker, Kubernetes, Distributed Systems, Golang