

# jacobfederer

Software Engineer

## about

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## languages

native german  
advanced english  
basic dutch  
basic latin

## programming

Golang  
Angular & Typescript  
Continuous Delivery  
Kubernetes  
Kotlin/Java  
Mobile Development

## Together We'll Find the Right Solution for Your Web Project

I help companies, non-profits and IT firms find tailor-made cloud solutions.

## skills and interests

Angular & Typescript development, Golang development, Database Design and Development (PostgreSQL, MySQL), Java development, Android SDK, Clean Code, Clean architecture, Dependency Injection, Functional Reactive Programming, Ruby on Rails, ABAP

Kubernetes (Certified Kubernetes Application Developer), Continuous Delivery (Jenkins, Google Cloud Build, Gitlab), Google Cloud, Linux, DevOps, Monitoring, Git, Agile Methods, Open Source Development, Package Managers (apt, Homebrew, Chocolatey)

Meditation, Yoga, Personal Development

## experience

- since 2014 **Software Developer - Freelancing** Primary Occupation.  
Developing business applications for a customer base in Southern Germany
- 2017/2018 **SAP Piper contribution, Germany** Development internship.  
I created new classes and helper functions for the internal and external users and helped to reduce the time for automated testing by 85%
- 04–06/2017 **SAP Leonardo - Connected Goods, Palo Alto** Development Internship.  
Enable the team to deliver continuously by setting up a Deployment Pipeline. Contribution to the openSAP touchIoT Course.
- 10–12/2016 **Cloud for Energy, Markdorf** Development Internship.  
Improvement of the Deployment Pipeline with automated code traceability. Developed as Cloud Curriculum internal source project.
- 10–12/2015 **TwoGo by SAP, Walldorf** Development Internship.  
Advancement of the Android mobile app including the development of a new design prototype, the ride timeline functionality and additional features.
- 2015-2018 **SAP Vocational Training** Dual Studies.  
While half time studying at the university, being a trainee at SAP.
- 07–08/2013 **SAP SE Sustainability Labs, Markdorf** Student Internship.  
Internship as a high school student: Java and HTML Development

## education

- 2018 **Bachelor thesis: State of Continuous Delivery at SAP**  
University of Cooperative Education Baden-Wuerttemberg, Ravensburg  
Through my contact with several teams working with the Piper library, I shed light on how widely teams at SAP were able to implement the methodology. I documented this through interviews and questionnaires and was able to provide clarity on the state of Continuous Delivery at SAP for all stakeholders.

2015 – 2018 **Bachelor of Science** in Business Information Technology

University of Cooperative Education Baden-Wuerttemberg, Ravensburg

Courses: Database Design, Programming and Programming Techniques, Operating Systems, Requirements Engineering, Funding, Investment, Business Administration, Project management

## applications

- 2019 **TURBOback Next** [turboback.de](http://turboback.de)  
TURBOback Next is the first cloud-based ERP system for bakeries. The modern UI makes it easy to keep track of your customers' orders and deliver them with ease.
- 2018 **Project Piper - CI/CD for the SAP Ecosystem** <https://www.project-piper.io>  
Continuous Delivery is a method for developing software with short feedback cycles. For this purpose, SAP provides tools for continuous delivery in the project "Piper"
- 2017 **openSAP - Connected Goods** <https://open.sap.com>  
openSAP is a E-learning platform which features new technology from SAP. I helped to design a interactive task for over 33000 participants. It showcased the new IoT solution Connected Goods.
- 2015 **TwoGo by SAP - Android App** [playstore.com.sap.twogoandroid](https://playstore.com.sap.twogoandroid)  
TwoGo is a carpooling service which helps colleagues as well as individuals to commute.
- 2014 **Arbolex - Android App** [playstore.de.arbus](https://playstore.de.arbus)  
The goal of the Arbolex app is to bring enormous knowledge about forests, trees and plants into one simple app.

## certifications and courses

- CKAD - Certified Kubernetes Application Developer
- BC400 - ABAP Workbench Foundation
- BC401 - ABAP Object Oriented Programming
- SAP NW - SAP Netweaver Overview
- UX100 - User Experience Design
- HA300 - SAP HANA Implementation and Modeling

## volunteering

- 2016 **Devfest - Zurich** [devfest.ch](http://devfest.ch)  
Volunteer at the first ever Google Devfest in Switzerland.
- 2016 **droidCon - Berlin** [droidcon.de](http://droidcon.de)  
Yearly Android developer conference in Berlin: getting to know new techniques, connecting to other developers
- 2014 **Juleica Youth Leader** [BDKJ Baden-Wuerttemberg](http://BDKJ Baden-Wuerttemberg)  
Acquisition of knowledge about the work with children between the age of 9 and 14. Applied tasks in the framework of a catholic youth organization: planning of youth camps, weekly meetings and treasurer