

## contact

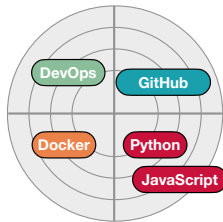
Stuttgart, Germany  
offenhaeuser@gmail.com  
web [anoff.io](http://anoff.io)  
github [gh/anoff](https://github.com/anoff)  
twitter [@anoff\\_io](https://twitter.com/anoff_io)

## languages

native german  
professional english  
beginner japanese, french

## craftsmanship

♥ Node.js, Python  
software design  
system understanding  
agile methods  
continuous integration



Visit [radar.anoff.io](http://radar.anoff.io) for my  
personal technology radar

## domains

cloud solutions  
automotive systems  
digitalization

## experience

2020–

### Digitalization Program Lead aka Dragon Slayer

Bosch Corp., Yokohama JP

I joined Bosch Japan to drive the Digitalization efforts for Systems and Software development. Besides developing training concepts for AI and coordinating improvement activities I develop automated & connected IT solutions to replace manual processes. Solutions are built using Python and deployed via Docker containers using CICD methods.

acquired skills Python, GitHub, Trainings, Change Management

2019–2020

### DevOps Architect

Robert Bosch GmbH, Stuttgart DE

Bringing my experience in the cloud solutions back into the embedded automotive world I left behind in 2014. My task is to migrate workloads like software build and test from on-premise solutions to cloud based solutions to increase speed and decrease costs by on-demand resource scaling.

acquired skills Azure, Infrastructure as Code, C++ build environment

2016–2019

### Solution Architect

Robert Bosch GmbH, Stuttgart DE

Responsible for backend architecture of connected vehicle services, I designed cloud solutions according to domain driven principles. I was also acting as team lead and part time product owner (6 months).

acquired skills Node.js, OSS compliance, solution architecture, Cloud-foundry, Azure, Infrastructure as Code

2014–2016

### Backend developer connected vehicle

Robert Bosch GmbH, Stuttgart DE

Starting 2014 I was responsible for designing and developing a prototype system for a connected vehicle. I managed a team of up to five people responsible for building up and integrating vehicle setup, backend and web frontend.

acquired skills Node.js, AngularJS, Docker, project management

2012–2014

### Function developer for driver monitoring

Robert Bosch GmbH, Stuttgart DE

My job involved handling of larger data sets within Matlab and building a simulation environment capable of handling multiple thousands kilometers of test data. Development of series code was done according to automotive SPICE requirements.

acquired skills statistics, data handling, requirements engineering, change management, Matlab, project management, ASPICE

2010–2012

### Test manager for driver monitoring software

Robert Bosch GmbH, Stuttgart DE

Responsible for planning automotive software tests from unit to system level as well as designing and implementing the test environment for hardware in the loop simulation of an automotive ECU.

acquired skills systems engineering, project management, vehicle communication (CAN/FlexRay), test methodology, CANoe, VBA

2009

### Internship - motorcycle hydraulic simulation

Bosch Corporation, Yokohama JP

Create Matlab Simulink model for motorcycle ABS systems.

acquired skills Matlab, Systems Engineering, GUI design

## education

- 2017–2018 **Artificial Intelligence** Nanodegree Udacity  
Pursuing a deeper understanding of AI fundamentals I chose to join the nanodegree program and improve my knowledge in game agents, probabilistics and other AI methods. In my third term I specialized in computer vision methods.
- 2017 **Deep Learning** Foundation Nanodegree Udacity  
Intrigued and fascinated by the advances of artificial intelligence I wanted to get a deeper understanding of the topic and joined the class of Udacity's newly introduced Deep Learning program. Within the course I worked on several projects ranging from image recognition to generative networks.
- 2007–2010 **Bachelor of Engineering, 1.3** Hochschule Heilbronn, DE  
With a grant from Bosch I studied different fields of mechatronics and microsystems engineering. For my thesis I analyzed the influence of advanced driver assistance systems on steering based driver monitoring systems. The main focus was on data analytics and combined Matlab with scientific knowledge.
- 2005–2007 **Mechatronics training** Robert Bosch GmbH, DE  
During my vocational training with the IHK Heilbronn I learned the basics of engineering and how they relate to the physical world. The broad scope of topics covered in mechatronics also quickly made me realize my love for programming over the other possible fields in engineering.

## interests

- learning new technologies (blockchain, artificial intelligence, robotics, deep learning)
- share & exchange knowledge on meetups/conferences
- skiing, biking, diving
- cooking

## side projects

A selection of my OSS projects. For more see my [GitHub profile](#) or [website](#).

### plantbuddy

A fullstack IoT solution to monitor moisture levels in potted plants. Running an ESP8266 chip with WiFi connectivity to collect moisture data as well as temperature and humidity data near the plant. Data is collected four times per hour and sent to a serverless backend running on Google Firestore. The backend enriches the sensor data with local weather information from OpenWeatherMap. A single page webapp written with the VueJS framework shows the sensor readings on an interactive chart.

### devradar.io

Inspired by the [Thoughtworks Technology Radar](#) I decided to build a website to keep track of my technological skills. So called blips represent skills in different categories like languages, frameworks or methods and place them on a radar indicating the skill level. In my free time I am working on improving this project to build an ecosystem for competence management of developers and development teams.