




Marcel Carlé

Work Experience

- Aug 2021 – **Software Developer** 📍 Aachen, Germany
Present *INFORM GmbH - Optimization Software*
Redevelopment of a product that manages and optimizes the processes on container terminals. For this purpose, a distributed system is used, which by means of Kubernetes enables the independent scaling of individual services. The backend services are based on hexagonal architecture (comparable to Clean Architecture or Onion Architecture) and developed on the basis of Spring Boot and Kotlin. The micro frontends, written in Angular, communicate with their backend via GraphQL and display live data.
- Jan 2019 – **Software Developer** 📍 Hamburg, Germany
Aug 2021 *Panasonic Europe Ltd.*
I worked on a dockerized, Kotlin-based, Spring Boot web application with an Angular frontend, controlling approval processes via Camunda BPMN with dynamic rules based on DMNs. We migrated the application into the AWS cloud and used Terraform to define its infrastructure as code.
- Apr 2017 – **Project Manager** 📍 Düren, Germany
Dec 2018 *Enghouse Networks (Germany) GmbH (formerly XConnect GmbH)*
I managed a project with several large telecommunications service providers and implemented their requirements based on JIRA. Internally, I was responsible for planning and developing a successor product for automated information procedures in accordance with §112 TKG and used technologies like CQRS, Apache Camel, Event Sourcing, Vaadin, and OSGi.
- Jan 2012 – **Software Developer** 📍 Düren, Germany
Mar 2017 *XConnect GmbH (formerly sms eSolutions GmbH)*
20h/week I was responsible for various Java EE web applications targeting the telecommunication market in Germany. In collaboration with my colleagues, I planned, documented, and implemented new applications, as well as maintained and extended existing ones. Furthermore, I also acted as 2nd level support for our customers via mail and phone.

Start-up

Mar 2014 – **Co-Founder and CTO**  Würselen, Germany
Jun 2016 *Bontoo Mobile Development UG (with limited liability)*


The start-up focused on developing mobile apps in the B2B market. My area of responsibility was IT project management and the development of backend systems and REST interfaces that were accessed by the mobile apps. I also advised potential customers on how a mobile application could facilitate daily work in their business area.

Apprenticeship


Jul 2009 – **Mathematical-Technical Software Developer (MATSE)**  Düren, Germany
Jan 2012 *sms eSolutions GmbH*

I started my career with a dual study program, i.e. with an apprenticeship as Mathematical-Technical Software Developer (abbreviated as MATSE in German) and a parallel bachelor study in Scientific Programming.


Education

2012 – 2017 **Master of Science, RWTH Aachen University**  Aachen, Germany
Course of studies: *Computer Science*


 Master thesis: *Improving Vehicle Diagnostics in Service Stations with Wearable Devices*

 Tendering company: *DSA Daten- und Systemtechnik GmbH, Germany*

2009 – 2012 **Bachelor of Science, University of Applied Sciences Aachen**  Jülich, Germany
Course of studies: *Scientific Programming (dual studies)*

 Bachelor thesis: *Development and Optimization of a Software for High-Performance Storage and Processing of Mass Data for an Open System Landscape*

 Tendering company: *Enghouse Networks (Germany) GmbH, Germany*

2001 – 2009 **Abitur, Archigymnasium Soest**  Soest, Germany
Special subjects: *Computer Science and Mathematics*

Certificates

2021 **AWS Certified Solutions Architect - Associate, AWS Certification**

2012 **In-Memory Data Management, openHPI, Prof. Dr. h.c. mult. Hasso Plattner**

Soft Skills

- › Proactive
- › Curious by nature
- › Communicative
- › Very flexible
- › High team spirit
- › High commitment
- › Good conflict management

Languages

German Native
English Advanced

Technical Skills

Languages

- > 13 years Java, JavaScript, HTML, Bash, SQL
- > 3 years Kotlin, TypeScript

Backend Frameworks

- > 13 years Hibernate
- > 5 years Java EE
- > 3 years Spring Boot, Camunda
- > 2 years Quarkus
- > 1 year OSGi, NodeJS

Tools

- > 13 years JIRA, Confluence, Maven, Jenkins
- > 8 years Git, GitLab, Mercurial
- > 3 years Docker
- > 2 years Terraform

Platforms

- > 13 years Linux, Windows
- > 2 years AWS, Android

Databases


- > 8 years Oracle
- > 5 years MySQL, MariaDB, H2
- > 3 years PostgreSQL, Derby
- > 1 year NoSQL (Neo4j, MongoDB, Redis)

Frontend Frameworks


- > 5 years JSF
- > 3 years Angular, Vaadin

Own Projects


Cryptonify A platform-independent, fully-featured, offline password manager, including syncing, browser extensions, and an Android App.

 <https://mcarle.io/project/cryptonify>


GetFav A simple to use online service to retrieve any favicon from every public website.

 <https://mcarle.io/project/getfav>

Wahl-O-Mat Plugin A browser extension for the Wahl-O-Mat Bundestag Election 2021 to show a rough match of possible coalitions in addition to the individual parties.

 <https://mcarle.io/project/wahlomat-btw2021>

More on GitHub On my GitHub account, I publish smaller projects like *Strix*, a lightweight and simple JPA transaction library, or *Sciurus*, a collection of useful aspects to, e.g., monitor method executions. There you will also find e.g. the source code for my website and this CV.

 <https://github.com/mcarleio>

Interests

- > Badminton
- > CI/CD
- > Reading
- > Cloud & Serverless
- > Java User Groups
- > Scuba Diving
- > Software Development
- > Conferences