Marcel Carlé

Work Experience

Aug 2021 –
Present

Software Developer   ⚲ *Aachen, Germany*
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 –
Aug 2021

Software Developer   ⚲ *Hamburg, Germany*
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 –
Dec 2018

Project Manager   ⚲ *Düren, Germany*
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 –
Mar 2017

20h/week

Software Developer   ⚲ *Düren, Germany*
XConnect GmbH (formerly sms eSolutions GmbH)

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.

✉ *application@mcarle.io* • ⊕ *https://mcarle.io*
⛭ *May 26th 1990 in Essen, Germany*

Start-up

Mar 2014 – Jun 2016 | **Co-Founder and CTO**   ◉ *Würselen, Germany*
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 – Jan 2012 | **Mathematical-Technical Software Developer (MATSE)**   ◉ *Düren, Germany*
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, JS, HTML, Bash, SQL
> 5 years	Kotlin, TypeScript
> 2 years	NodeJS

Plattforms

> 13 years	Linux, Windows
> 3 years	AWS
> 2 years	Android

Backend Frameworks

> 13 years	Hibernate
> 5 years	Spring Boot, Java/Jakarta EE
> 3 years	Camunda
> 2 years	Quarkus

Databases

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

Tools

> 13 years	JIRA, Confluence, Maven
> 8 years	Git, GitLab, Docker
> 3 years	Gradle, Terraform

Frontend Frameworks

> 5 years	Angular, JSF
> 3 years	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

Konvert Konvert is like Mapstruct for Kotlin. It is a kotlin compiler plugin using KSP API to generate kotlin code to map one class to another.

🔗 https://mcarle.io/project/konvert

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 further projects. There you will also find e.g. the source code for my website and this CV.

🔗 https://github.com/mcarleio

Interests

- Badminton
- CI/CD
- Fantasy & Sci-Fy
- Cloud & Serverless
- Java User Groups
- Scuba Diving
- Software Development
- Conferences