



# Marcel Carlé

## Work Experience

Jan 2019 – **Software Developer** 📍 Hamburg, Germany  
Present *Panasonic Europe Ltd.*

I am working 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. Recently, 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.

📄 <https://mcarle.io/testimonials/enghouse.pdf> (German)

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.

📄 <https://mcarle.io/testimonials/sms-to-xconnect.pdf> (interim, German)

## 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. With potential customers, I exchanged ideas on how a mobile app could support their company's goals.

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## Apprenticeship


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


I started my career with a dual degree program, i.e., apprenticeship as a Mathematical-Technical Software Developer (abbreviated as MATSE in German) while parallelly studying for a Bachelor's degree 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**

 <https://mcarle.io/certs/aws-solutions-architect-certificate.pdf>

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

 <https://mcarle.io/certs/in-memory-data-management-certificate.pdf>

## Technical Skills

### Languages

- > 10 years Java, JavaScript, HTML, Bash, SQL
- > 2 years Kotlin, TypeScript

### Backend Frameworks

- > 10 years Hibernate
- > 6 years Java EE
- > 2 years Spring Boot, Camunda
- > 1 year Quarkus, OSGi, NodeJS

### Tools

- > 10 years JIRA, Confluence, Maven, Jenkins
- > 5 years Git, GitLab, Mercurial
- > 3 years Docker
- > 1 year Terraform

### Platforms

- > 10 years Linux, Windows
- > 2 years AWS, Android

### Databases

- > 9 years Oracle
- > 5 years MySQL, MariaDB, H2
- > 3 years PostgreSQL, Derby
- > 1 year NoSQL (Neo4j, MongoDB, Redis)

### Frontend Frameworks

- > 6 years JSF
- > 3 years Angular, Vaadin

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## Soft Skills

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

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## Languages

German Native  
English Advanced

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## 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>

**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. In doing so, high test coverage and documentation is important to me.

🔗 <https://github.com/mcarleio>

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## Interests

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

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