



# MATTHIAS DEJA

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born Dec 23, 1975 (German)  
fluent in English and German

## Freelance IT consultant and software developer

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Enthusiastic programmer. Occassional system architect, analyst and Scrum master. More than **15 years of experience** with the IT industry.

Having contributed to numerous projects for midsize and big companies, I have gathered a fair share of technological experience. And I constantly acquire new knowledge, depending on what is most well suited for an ongoing customer project.

**Functional programming** is a big focus of my technological interest, especially with the **Scala** programming language. When it comes to organization, my attention lies on clear processes and transparency.

Typically, I do part of the work at the customer's site, and the other part from my home office. Upon start of a project, we agree on a weekly rhythm.

I am also interested in **fixed price projects**, which get implemented independent of location. This not only spares travel expenses. Taking commute out of the equation also frees up valuable time and resources, resulting in more focused progress.

This is a selection of projects that I contributed to.

<b>Skills</b>	<i>Programming languages</i>	Scala, Java, JavaScript and others
	<i>Technologies</i>	AWS, Kubernetes, Spring, Kafka, Akka, Docker
	<i>Concepts</i>	Agile, microservices, functional programming, TDD/BDD
<b>Roles</b>	Software developer, system architect, business analyst, Scrum master	

## NewStore GmbH

### Event stream aggregation, CI pipeline 6 months 2019

Developed an **event aggregation** service. Provisioning of **GitLab CI** for Scala projects.

- Service for asynchronous event stream aggregation, feeding data to a GraphQL frontend.
- Improved established event streaming solutions with Kafka Streams and Alpakka/Akka Streams.
- Created GitLab CI pipelines for building and deploying Scala-based services.
- Migrated microservices from a monorepo to GitLab.

**Core skills** Scala, Kafka Streams, Akka Streams, GraphQL, GitLab CI, Docker, Alpakka, microservices

## MOIA GmbH

### Development of new payment system 1 year 2018

Developed a new system for **payment processing**.

- Scalable, asynchronous, Scala-based system with numerous integrations.
- Planning, architecture, development and operation.
- Integrations with banks, accounting, and created subsystems such as coupon management, tipping or customer service.

**Core skills** Scala, AWS, Kubernetes, Akka, functional programming, accounting

## Galeria Kaufhof GmbH (now GALERIA Karstadt Kaufhof)

Central IDP for Single Sign-On (SSO)	1 year	2017
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Replacement of the in-house **IDP solution** (identity provider) with a standard product.

- Improved systems security, enabled single sign-on and integration with other providers such as Facebook, Google, Twitter. Centralized account management.
- Customization and deployment of a standard product, including adaptation of internal services.

**Core skills** Scala, Akka Cluster, Cassandra, Play Framework, Keycloak, Java

## Parfümerie Douglas GmbH

Migration of legacy platform to microservices	10 months	2016
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Adapted the e-commerce platform to strategic company goals. Systems analysis and subsequent consulting.

**Core skills** Scala, Kafka, Spring, HornetQ

Realtime KPI dashboard	4 months	2015
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**Live KPI** rendering, low latency, e.g. order statistics. Planning, implementation, documentation.

**Core skills** Scala, Kafka, Akka, Apache Spark, Hybris integration

Development of Single Sign-On (SSO)	5 months	2015
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**Unified access** for customers to various brand sites, facilitating customer loyalty for marketing actions. Planning, consulting, implementation, documentation.

**Core skills** Scala, Akka, microservices, Spring, HornetQ

## Vorwerk Group

Global cloud infrastructure	3 months	2015
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**IoT infrastructure** for worldwide rollout of cloud-enabled devices. Architecture, concept, team guidance.

**Core skills** High Availability, microservices, Hazelcast, Spring, Docker, Netflix Stack

Customer data consolidation	10 months	2014
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**Centralized** scattered customer data, to enable unified world-wide campaigns.

- Single-handed microservice architecture, implementation and formal specification (BDD).
- Guided and coordinated teams in several countries, to help them integrate.

**Core skills** High Availability, High Performance, Spring, TDD/BDD, Hibernate, JBehave

## Deli XL B.V. (now Bidfood), Netherlands

New omnichannel webshop (greenfield)	3 years	2011
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New development from scratch. Goals: reaching new customer groups, business **digitalization**.

- Developer, business analyst, Scrum master.
- Integrations with SAP and AS/400, amongst others.
- Introduction of agile methods (Scrum) and responsive front-end design.

**Core skills** Agile, TDD, Oracle Commerce (ATG), Java, Oracle, GigaSpaces, Omnichannel, Responsive

## conVISUAL AG (now mVISE)

Software developer	8 years	2002
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Java Projects in **mobile services**, reporting, development of the in-house platform.

- Software development, outsourcing, requirements analysis, quality management.

## Debitel AG (now mobilcom-debitel GmbH)

Testing team lead, test automation introduction	7 months	2001
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**Regression tests** for internal customer care software. Consultant of American Management Systems.