

Rico Metzger

Principal Software Engineer & Consultant

I'm a senior software engineer with 20+ years of experience designing and delivering robust backend systems, resilient data pipelines, and pragmatic solutions for complex architectures.



My core stack is **Java**, **Kotlin**, **Scala**, plus **Python** and modern frontend frameworks like **React** and **Angular**.

I have extensive hands-on experience with distributed data platforms such as **Kafka**, and a wide range of databases — from relational (**Oracle**, **PostgreSQL**) to NoSQL (**MongoDB**, **Cassandra**, **GraphDB**).

My focus is on building the technical backbone that keeps solutions running reliably and at scale.

I thrive both embedded in agile teams and working independently — combining deep technical work with the leverage of modern AI tools, while ensuring that essential knowledge is shared and maintainable.

Languages

German (native)

Spoken ★★★★★
Written ★★★★★

English (fluent)

Spoken ★★★★★☆
Written ★★★★★☆

French (basic)

Spoken ★★☆☆☆
Written ★★★★★☆

Soft Skills

- Strong communication skills
- Agile development expertise (Scrum, Kanban)
- Problem-solving oriented
- Technical leadership
- Team collaboration

Certificates

VMware · 2024

Spring Certified Professional 2024 [v2]

Confluent · 2024

Confluent Certified Developer for Apache Kafka

Coursera · 2016

Scala Functional Programming

MongoDB · 2015

MongoDB Certified Developer Associate

Skills

Programming Languages

Java	★★★★★
Kotlin	★★★★★
Scala	★★★★★
JavaScript	★★★★☆
TypeScript	★★★★☆
Elixir	★★★★☆☆
Go	★★★★☆☆
Python	★★★★☆☆

Frameworks

Camel	★★★★★
Spring	★★★★★
Angular	★★★★☆
JavaEE / JakartaEE	★★★★☆
Akka	★★★★☆☆
Cats / scalaz	★★★★☆☆
Flask	★★★★☆☆
React	★★★★☆☆
Svelte	★★★★☆☆
Vue	★★★★☆☆

Databases

PostgreSQL	★★★★★
Oracle	★★★★☆
MongoDB	★★★★☆☆
Ontotext GraphDB	★★★★☆☆
Cassandra	★★★☆☆☆
MS SQL	★★★☆☆☆

Cloud & Infrastructure

AWS	★★★★☆
Docker	★★★★☆
Kubernetes	★★★★☆
Digital Ocean	★★★★☆☆
GCP	★★★★☆☆
Azure	★★★☆☆☆

Messaging Systems

Kafka	★★★★★
JMS	★★★★☆☆

Project Experience

Bison - Bison Commerce

Senior Software Engineer

01/2024 - now

- Working on a project to develop an ecommerce platform.

Java

Spring

Angular / Typescript

Commercetools

Contentful

Scrum

CSS - Shark2 / AWL 2.0

Senior Software Engineer

03/2023 - 12/2023

- Working on a migration project from old JavaEE technologies to a modern microservice architecture.
- Participate in a team to validate automatically incoming invoices.

Java

JakartaEE

Oracle

Kafka

Kubernetes

Scrum / SAFE

Bison - SmartFarming

Senior Software Engineer

10/2021 - 12/2022

- Participation in the SmartFarming Team on various microservices for the platforms 365FarmNet and Barto.

Java

Spring

Angular

365FarmNet

Barto

Scrum

WMC Sinterstar AG - Employee

Deputy COO

07/2021 - 09/2021

- Helping a company to set up a modernization process
- Develop ideas to start a digitalization process
- Daily business of calculating offers and planning resources
- Minor - develop a path to migrate from a custom ORM to a standard solution

Elixir

Postgres

BPMB

Excel

SRF - EAI / PDP

Senior Software Engineer

11/2017 - 06/2021

- Participation in SRF Online on a platform for processing and providing metadata and videos for use in an online platform.
- Participation in the new development of a platform for storing publication metadata for the entire SRG.

Scala Cats Kafka Cassandra Python

Finnova - FrontSuite

Senior Software Engineer

06/2016 - 09/2017

- Development on the Finnova FrontSuite, Release 3. The goal of the platform was to provide a modern front end for customer advisors at banks, based on the latest technologies.

Scala Akka BPMN Docker Domain Driven Design
Event Driven Architecture Microservices Scrum

Credit Suisse - CSOMS Migration

Software Engineer

11/2015 - 07/2016

- Assistance in the migration from CSOMS to JAP 8 and at the same time conceptual support in the development of a platform for document conversion based on Compart DocBridge.

Java JavaEE Assentis DocFamily Compart DocBridge Mill Oracle
AFP / PDF

Swisscom - Employee

Software Engineer

11/2014 - 10/2015

- Development of a complete monitoring and integration platform for Finnova Output with Assentis COM4F.

Java Spring Boot AngularJS Vaadin Oracle AQ Camel Assentis

AXA Winterthur - OMS / CSI

Software Engineer

07/2013 - 11/2014

- Integration of HP Exstream at AXA Switzerland with a connection of the engine to a rendering farm.

Spring Batch

HP Exstream

JBoss

Scrum

Credit Suisse - Output Management

Software Engineer / Architect

01/2010 - 05/2013

- CSOMS - Architecture and PoC of a new output management system for central and decentralized printing via Assentis DocFamily as the bank's future central printing solution in private banking
- EOMS - Development of a central printing system for the private banking segment in Luxembourg. The documents are designed in Zurich for the entire bank, but the customer data is only available in Luxembourg itself. The system supplements the anonymous designs from Zurich and supplements them with customer data from Luxembourg. The documents are then archived and converted for printing.
- FOMS - Development of a software component for the enrichment, conversion and printing of tax-relevant documents for customers in countries with tax treaties. The documents are created with Assentis DocFamily without customer data and the tax-relevant customer information is supplemented by FOMS.

WebLogic (JEE5)

Assentis DocFamily

Compart DocBridge Mill

JSF2

IBM Websphere MQ

JPA

Spring + Spring Batch

Camel

Oracle (PL/SQL)

AFP

WMC Sinterstar AG - ERP

Software Engineer / Architect

01/2001 - 12/2020

- Development of customer-specific applications as internal ERP. First as a client/server solution with Delphi, later migration to Spring Boot / AngularJS. Switching to React instead of Angular 2.

Delphi

Firebird

Java

Spring Boot

AngularJS

React

PostgreSQL