

René Lebherz, Software engineer

Curriculum Vitae

Personal information

Name

René Lebherz

Date of birth

25.11.1987

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Focus

JVM / Spring ecosystem

Software architecture

Developer experience

Business processes

Oracle, PostgreSQL, SQL, PL/SQL, DWH

Equipment

HP ProBook 445 G8, Fedora Workstation 39

Education

2011 Oracle TimesTen Certificate

2002 – 2009 HTBLA Leonding für elektronische Datenverarbeitung & Organisation, Zweig kommerzielle Datenverarbeitung

Projects

Infoniqa Österreich GmbH

<https://www.infoniqa.com>

Timeframe

2022/2023

Role(s)

Architect, lead developer

Sector

Human Resources, Payroll, eLearning

Process model

Scrum

Team size

8-15

Cloud

Microsoft Azure

Tools

IntelliJ, Maven, Gradle, vite, SonarQube, GitLab, Docker, Kubernetes (Minikube), JHipster

Duties

- Requirements engineering
- Cloud architecture (event driven, multi-tenancy)
- Cloud migration concept
- Service chassis implementation
- Distributed ID generator implementation
- PoC Spring Boot-services + Vue-Microfrontends
- Migration of legacy software
- Onboarding of new developers
- Developer trainings (Architecture, Spring, SQL, Docker)

Technologies

Asciidoc (Arc42), Structurizr (C4), Java 11/17, Kotlin 1.7/1.8, Spring Boot 2.7/3, Spring Cloud, Spring Data, Spring Integration, Hibernate, JPA, JUnit, PostgreSQL, PL/pgSQL, Apache Kafka, Keycloak (P2 Organizations for Keycloak), Vue.js, Tomcat, Testcontainers

MHP	https://www.mhp.com
Timeframe	2021
Role(s)	Arcjhitect, senior backend developer
Sector	Manufacturing
Process model	Scrum
Team size	25-28
Cloud	Self-hosted Kubernetes
Tools	IntelliJ, Maven, Gradle, webpack, SonarQube, GitLab, Docker, Kubernetes (Minikube)
Duties	• Requirements engineering • Conception of an event driven microservice architecture • Implementation of a VDA5050 master control for AGVs (autonomous guided vehicles) using event driven microservices • Migration from Maven to Gradle with Kotlin DSL • Migrate from Maven to Gradle • Migrate from MongoDB to PostgreSQL • Onboarding of new developers • Developer trainings (Architecture, Spring, SQL, Gradle, Kotlin, Docker)
Technologies	Java 11, Kotlin 1.5, Spring Boot 2.5, Spring Cloud, Spring Data, Hibernate, JPA, JUnit, PostgreSQL, MongoDB, RabbitMQ, Tomcat, Testcontainers

D4L data4life gGmbH	https://www.data4life.care
Timeframe	2021
Role(s)	Senior backend developer
Sector	Health care
Process model	Kanban
Team size	2
Tools	IntelliJ, Gradle, SonarQube, Github, Docker
Duties	• Development of a backend application for https://num-compass.science/ used to validate GECCO data (https://www.netzwerk-universitaetsmedizin.de/gecco-data-set) • Developer training (Spring)
Technologies	Java 16, Kotlin 1.5, Spring Boot 2.5, PostgreSQL, JDBC, SQL, JUnit, FHIR, Tomcat, Testcontainers

SONICA eU	https://www.sonica.at/
Timeframe	2019/2020
Role(s)	Architect, lead developer
Sector	IT
Process model	Scrum
Team size	3
Cloud	Amazon AWS
Tools	IntelliJ, Gradle, webpack, SonarQube, GitLab, Docker, Kubernetes (Minikube), Consul
Duties	• Requirements engineering • Development of an application used to automate penetration testing & reporting using Spring Boot, Kotlin & Angular • Friendly hacking & penetration testing • Training (Microservices with Spring & Apache Kafka) for customers
Technologies	Java 11, Kotlin 1.3, Spring Boot 2, Spring Data, Spring Cloud, JSP, Hibernate, JPA, JUnit, PostgreSQL, SQL, Keycloak, Apache Kafka, HTML, CSS, JavaScript, Angular 8, Tomcat, Testcontainers

INNIO Jenbacher	https://www.innio.com
Timeframe	2018/2019
Role(s)	Senior backend developer
Sector	Energy
Process model	Scrum
Team size	9
Cloud	Amazon AWS
Tools	IntelliJ, Maven, Gradle, SonarQube, Checkstyle, Github, Docker, Consul
Duties	• Development of microservices for gas turbine management • PL/SQL-Interfaces for data integration into the DWH • Evaluation & integration of new technologies (Flowable, Camunda, Feign) • Developer trainings (Spring, Spring Boot, Feign, BPM, SQL)
Technologies	Java 8, Kotlin 1.2, Spring Boot 1.5 & 2.1, Spring Cloud, Spring Data, Spring Integration, Flowable, Hibernate, JPA, JUnit, Oracle, PL/SQL, MySQL, Tomcat, Kubernetes

NTS New Technology Systems
GmbH

<http://www.ntsretail.com/>

Timeframe	2017/2018
Role(s)	Senior backend developer
Sector	Retail (Telecom)
Process model	Scrum
Team size	5-10
Cloud	self-hosted OpenShift
Tools	IntelliJ, Maven, SonarQube, Checkstyle, Docker, Git, Jenkins
Duties	• Reimplementation of the PoS software as Java EE modulith • Development of customer specific extensions • Evaluation of external products for integration • Developer trainings (SQL, Spring)
Technologies	Java 8 & 9, Java EE 7, JPA, Hibernate, JAX-WS, JUnit, Keycloak, Oracle, SQL, H2, Wildfly

Raiffeisen Software GmbH

<http://www.r-software.at>

Timeframe	2016
Role(s)	Architect, senior fullstack developer
Sector	Banking
Process model	Scrum
Cloud	self-hosted OpenShift
Team size	6
Tools	Eclipse, SQL Developer, Maven, SonarQube, Git
Duties	• Reimplementation of the test automation backend with Java EE 7 and Java 8 + REST-API (Source code was missing) • Optimize database schema • Upgrade Eclipse RCP fatclient from 4.2 and Java 6 to 4.5 and Java 8 • Switch the fatclient from RMI to REST • Implement new client features • User trainings
Technologies	Java EE 7, Java 8, Hibernate, JPA, Apache DeltaSpike, Eclipse RCP 4.5, OSGi, SWT, Feign, JUnit, Maven, SQL Server, Wildfly, JBoss EAP

Atos IT Solutions and
Services GmbH <http://at.atos.net>

Timeframe	2015
Role(s)	Senior fullstack developer, team leader
Sector	Insurance
Process model	Agile
Team size	25
Tools	Eclipse, SQL Developer, Maven, SVN, Jenkins
Duties	• Development of customer specific adaptations for an insurance management software • Upgrade to Java 8, Spring 4.1 and EclipseLink 2.5 • Development of a decision matrix for insurance rate calculation • Development of application interfaces (XML, flat files) • Migrate business logic from PL/SQL to Java • Introduce new technologies (MigLayout, Spring Data JPA) • Developer trainings (Java 8, design patterns, MigLayout, Spring Data JPA) • Team lead object/person management
Technologies	Java 6 & 8, EclipseLink 2.3 & 2.6, JPA 2.0 & 2.1, Spring Framework 2.5 & 4.1, Spring Data JPA, Swing, JUnit, Tomcat, Oracle 11g, PL/SQL

SONICA eU <https://www.sonica.at/>

Timeframe	2013/2014
Role(s)	Architect, lead developer
Sector	IT
Process model	Scrum
Team size	3
Tools	IntelliJ, Maven, Jenkins, SVN
Duties	• Development of a distributed application with a web frontend; The frontend uses Bootstrap and AngularJS, the distributed application was written in Java 8 and uses Spring, Hibernate, JPA, PostgreSQL, Quartz, Akka and others • Development of an import/export application used as an interface between data providers (eg PhonoNet) and different point of sale applications; The application uses Java 8, Spring Boot, JSP and PostgreSQL. • Development of web sites for various customers, e.g. DonauRAUM (http://www.donau-raum.at/); Content and data management (real estates, references) was done in SilverStripe, the frontend uses Bootstrap and jQuery.
Technologies	Java 8, Spring Boot, Spring Data, JSP, Hibernate, JPA, Quartz, Akka, JUnit, PostgreSQL, PHP, SilverStripe, HTML, CSS, JavaScript, jQuery, AngularJS, Tomcat

NTS New Technology Systems
GmbH

<http://www.ntsretail.com/>

Timeframe	2012/2013
Role(s)	Senior fullstack developer
Sector	Retail (Telecom)
Process model	V-model
Team size	5
Tools	Eclipse, Maven, SQL Developer, Jenkins, CVS
Duties	• Development of web services for various international customers • Improvement of the main application (NTSwincash Sales) • Development of customer specific modules for the main application
Technologies	Java 6, JPA, Hibernate, Swing, JAX-WS, Oracle 10g, PL/SQL

provo Marketing eU

<http://www.provo.at/>

Timeframe	2012/2013
Role(s)	Architect, lead developer
Sector	Tourism, Gambling
Process model	Agile
Team size	3
Tools	IntelliJ, Maven, Jenkins, CVS
Duties	• Development of a multi-client capable web application for hotel room reservations; Data management (hotel rooms, reservations, invoices) was done in SilverStripe, the frontend uses jQuery, jQuery UI and jQuery entwine. • Development of an online multiplayer poker game; The backend was written in Java using Spring and Hibernate, PostgreSQL was used as relational database, Redis was used as message cache and message broker. The frontend uses jQuery, the communication was done using web sockets (Atmosphere).
Technologies	Java 7, Spring Framework 3, JDBC, SQL, JUnit, PostgreSQL, PL/pgSQL, Web sockets, Atmosphere, Redis, PHP, SilverStripe, HTML, CSS, JavaScript, jQuery, jQuery UI, jQuery Entwine, Tomcat

rex werbeagentur OG <http://www.rex-werbeagentur.at/>

Timeframe	2011
Role(s)	Fullstack developer
Sector	Marketing
Process model	Agile
Team size	1
Tools	IntelliJ, Sublime Text
Duties	• Development of web sites for various customers.
Technologies	Silverstripe, PHP, HTML, CSS, JavaScript, jQuery

Arvato Infoscore Austria GmbH <https://www.arvato-infoscore.at/>

Timeframe	2011/2012
Role(s)	Backend developer
Sector	Finance
Process model	Agile
Team size	8
Tools	PL/SQL Developer, Sublime Text, Microsoft Excel
Duties	• Development of multi-tenancy-capability for the receivables management system originally developed at Quelle AG and entirely written in PL/SQL • Development of application interfaces and ETL scripts (shell scripts - Korn shell) • Reporting with Microsoft Excel and VBA
Technologies	Oracle, SQL, PL/SQL, Korn shell, VBA (Microsoft Excel)

Employers

NTS New Technology
Systems GmbH

<http://www.ntsretail.com/>

Timeframe

2008 – 2011 // intern+part-time+full-time

Role(s)

(junior) fullstack developer

Sector

Retail (Telecom)

Process model

V-model

Team size

1-10

Tools

Eclipse, Maven, SQL Developer, Hudson, CVS

Duties

- Development of a distributed job scheduling application with a Swing client
- Development of a table audit framework written in PL/SQL
- Development of a search engine written in JavaScript
- Development of business processes for a point-of-sales-system
- Development of customer specific business processes for a point-of-sales-system
- Development of SQL report queries
- Development of reports using JasperReports
- Development of installer tools in C#

Technologies

Java 1.4 & 6, JPA, Hibernate, Swing, JasperReports; jBPM, Oracle 8i/9i/10g, SQL, PL/SQL, JavaScript, HTML, CSS, C#