Nihat Kara

Senior Full-Stack Developer & Software Architekt – Java · Spring Boot · Web · ReactJS · JPA/SQL

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Profile Summary

Senior full-stack Java engineer and Software Architect with 30+ years of IT experience. Specialized in business-critical enterprise solutions and high-volume data processing (JPA/SQL, data pipelines). Focus on scalable architectures (Java, Spring Boot, React) in highly regulated domains, backed by consistent quality engineering via CI/CD and test automation.

Core Competencies & Focus

Software-Engineering & Architecture: End-to-end development of robust enterprise systems (Java/React). Focus on clean architecture, maintainability, and scalable Spring Boot services.

Data Architecture & Integration: Deep expertise in SQL tuning, JPA/Hibernate, and database design (Oracle, MS SQL, MySQL, PostgreSQL). Integration of heterogeneous systems (REST, SOAP, XÖV).

Quality Engineering & DevOps: Release quality through test automation (TDD) and modern CI/CD pipelines (Jenkins, Docker, Azure).

Methods & Leadership: Agile mindset (Scrum/SAFe), certified project management (GPM), and technical coaching of development teams.

Technologies (Selection)

Backend/Frameworks: Java, Spring Boot, Jakarta/JEE, JAX-RS/JAX-WS

Frontend: JavaFX, Swing, JGoodies, JSF/JSP, HTML5/CSS/, ReactJS, TypeScript

Persistenz/DB: JPA/Hibernate; Oracle, MSS, MySQL/MariaDB; SQL/PL/SQL; kdb+/q,

APIs/Protocols: REST, SOAP; JSON, XML/XSD, XÖV

Build/DevOps: Maven; Jenkins, Docker; SonarQube, Nexus; Git/Gitea; GitHub

Testing/QA: JUnit 5, Mockito, JGiven, Selenium (UI), JMeter, ArchUnit

Reporting/Exports: JasperReports, CSV/Excel-Exporte, Apache POI

Tools/IDE: IntelliJ IDEA, WebStorm, VS Code, Postman/SoapUI, Jira/Confluence, EA

Industries

- Banking / Financial Services / Insurance
- Public Sector / Government
- Logistics / Transport
- E-Commerce/Internet
- Automotive / Electrical Engineering
- Telecommunications

Project History (since 2015)

Crypto-Fintech / Margin-Delta (2025)

Role: Software-Architect and Fullstack-Developer

Description: Design and implementation of an automated P&L reporting pipeline to consolidate complex financial transactions (Binance, dYdX), including FIFO/LIFO logic.

Stack: Java 21, Spring Boot 3, React, Redux, CSV/Excel-ETL, JUnit 5.

Public Sector / XÖV-Standards-Integration und Migration (2018 – 2025)

Role: Software-Architect and Fullstack- Developer

Description: Architecture and implementation of complex XÖV message flows (e.g., XMeld, XAusländer), including integration of register authorities (AZR, VIS) and biometric processes as well as eID infrastructures.

Stack: Java, JBoss, Swing, JSF, React, XML/XSD, REST/SOAP, JPA/Hibernate.

Electrical Engineering / MagicDraw Data Transformation (2018)

Role: Software-Architect and Backend- Developer

Description: Development of a generic data model to transform UML projects into JSON via REST services and CLI control.

Stack: Java 8, UML/MagicDraw, JSON/REST, Jackson, JUnit.

Finance / Trading-Automation und Reporting (2016 – present)

Role: Fullstack- Developer and Architekt

Description: Architecture of a high-performance system for trade capture and monitoring, including automated reporting pipelines (CSV/Excel/JasperReports).

Stack: Java, Spring (Boot), PostgreSQL/TimescaleDB, Docker, JasperReports, CI/CD.

Healthcare / DMS Web Architecture (2016 - 2018)

Role: Developer and QS/QA-Engineer

Description: Enhancement of a web-based DMS portal architecture, including security audits (OWASP) and automated load/performance testing.

Stack: Java/JEE, JavaScript/CSS, Selenium, JMeter, Elasticsearch, REST.

Insurance / Claims Analysis – DWH/BI (2015)

Role: Frontend-Developer JEE/JSF

Description: Web frontend for administering complex business rules with automatic SQL generation for claims analysis in an Oracle DWH environment.

Stack: JSF/PrimeFaces, Java, Hibernate, Spring, SQL/PL-SQL.

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This document is an excerpt of my project history. I will be happy to provide a detailed consultant profile with all engagements upon request.

Project inquiries & contact: www.invidata.de | Let us talk about your project.