

SADAF KOONDHAR

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[Portfolio](#)

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SUMMARY

Passionate Java Developer with hands-on experience in designing and developing RESTful APIs, database management, and backend solutions using Spring Boot and Hibernate. Skilled in authentication, role-based access control, and performance optimization. Enthusiastic about solving real-world challenges through technology.

TECHNICAL SKILLS

Technologies and Frameworks

Backend: Java, Spring Boot, Hibernate, JPA, REST API, JDBC, Collection Framework, Data Structures & Algorithms. Temenos Quantum Fabric.

Database: MySQL, PostgreSQL, Oracle, SQL Server.

Frontend: JavaScript, HTML, CSS.

Security: Spring Security, JWT.

Tools: IntelliJ IDEA, VSCode, Postman, Swagger, Ngrok, Git, GitHub, GitLab, GitHub Actions, Vercel.

EXPERIENCE

Associate Java Developer | Xpert Dijital

Mar 2025 - Present

- Working on Temenos Infinity (formerly Kony) platform for delivering digital banking solutions in the FinTech domain.
- Designing and developing backend APIs in Java for banking applications with a focus on high performance and security.
- Building **Integration, DB, and Object Services** using **Quantum Fabric architecture**.
- Collaborating with cross-functional teams to integrate APIs with digital banking frontend and core banking systems.
- Performing **bug fixing, code optimization**, and assisting in production issue resolution.

Java Developer | Ornesol Pvt Ltd

Feb 2024 - Feb 2025

- Developed and maintained RESTful APIs using Spring Boot, Hibernate, JPA, and MySQL for student management, attendance tracking, exams, and fee processing.
- Implemented secure authentication & role-based access control using Spring Security & JWT.
- Optimized SQL queries for efficient data retrieval and reporting to enhance performance.
- Integrated APIs with frontend applications and third-party services.
- Assisted in debugging and troubleshooting during testing and deployment.

PROJECTS

Artea Bank (A European Digital Banking Platform) | Xpert Dijital

- Contributing to core modules such as customer onboarding, account management, and transaction processing.
- Developing backend services using Java and Temenos Quantum Fabric.
- Writing SQL queries for data retrieval, updates, and performance optimization. Integrated APIs with frontend applications and third-party services.
- Technologies & Tools:** Java, Temenos Quantum Fabric, Koney, Object Mapping, Database Services, Integration Services, MySQL/SQL Server Postman, IntelliJ IDEA, Git.

EduTech (Educational Management System) | Ornesol Pvt Ltd

- Developed and maintained RESTful APIs using **Spring Boot, Hibernate, JPA, and MySQL/PostgreSQL** for student management, attendance tracking, exams, and fee processing.
- Implemented **secure authentication & role-based access control** using **Spring Security & JWT**.
- Optimized **SQL queries** for efficient data retrieval and reporting to enhance performance.
- Integrated APIs with frontend applications and third-party services.
- Assisted in debugging and troubleshooting during **testing and deployment**.
- Live Demo:** [Click here](#) | Username: admin | Password: admin
- Technologies & Tools:** Java, Spring Boot, Hibernate, JPA, MySQL/PostgreSQL, Spring Security, JWT, Apache Tomcat, Postman, IntelliJ IDEA, Git.

Chota-Champ (E-commerce Platform for Baby Products) | Ornesol Pvt Ltd

- Designed and developed **RESTful APIs** for product catalog, categories, and order management.
- Implemented **secure payment gateway integration** and **user authentication** using JWT.
- Optimized **database structure** for handling large-scale product inventories.
- Fixed **critical bugs & performance issues**, ensuring smooth shopping experience.
- Live Demo:** [Click here](#)
- Technologies & Tools:** Java, Spring Boot, Hibernate, JPA, MySQL/PostgreSQL, Spring Security, JWT, Apache Tomcat, Postman, IntelliJ IDEA, Git.

Real-time Pothole Detection with YOLO-v7 for Autonomous Vehicles (FYP)

Our project aims to enhance road safety by providing real-time and accurate pothole detection, enabling autonomous vehicles to navigate more efficiently and securely.

Project Objectives:

- Detect potholes in **images and videos** using deep learning.
- Count potholes from **captured images and video feeds**.
- Estimate the **repair cost** of detected pothole.
- Automatically generate an **Excel report** for cost estimation.
- The **Real-time Pothole Detection System** addresses key challenges such as **road safety management, accident prevention, infrastructure maintenance, and economic impact** due to poor road conditions.

Responsibilities:

- Conducted meetings with supervisors and faculty to discuss new feature requirements, enhancements, and system changes.
- Performed bug fixing and system improvements.
- Technologies & Tools:** Convolutional Neural Network (CNN), You Only Look Once (YOLO), Colab notebook, Roboflow etc.
- Live URL :** [Click here](#)

EDUCATION

BS Information Technology

University of Sindh, Pakistan

Jan 2020-Dec 2024