

Ahmad Radi

Software Engineer | Backend Developer (Java & Spring Boot)

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Summary	Detail-oriented Software Engineer with a strong background in Geotechnical Engineering, transitioning into Java Backend Development. Proficient in Java 17, Spring Boot, and PostgreSQL, with a proven ability to design scalable systems using the CQRS pattern and SOLID principles. Leveraging a rigorous engineering mindset to solve complex technical challenges and deliver high-quality, maintainable code. Passionate about building robust backend applications, such as Doctor Appointment Management Systems, that drive business value.	
Skills	Programming Languages Java 17, SQL, C++, c#	
	Core Fundamentals Data Structures, Algorithms, Problem-Solving	
	Software Engineering Object-Oriented Programming (OOP), Object-Oriented Design (OOD), SOLID Principles, Design Patterns, CQRS Pattern	
	Backend Frameworks Spring Boot, Spring Security, Spring Data JPA, Hibernate, Spring MVC	
	Databases & Tools PostgreSQL, Database Schema Design, Git, GitHub, Postman, Maven	
Projects	Doctor Appointment Management System A high-performance backend system designed to manage medical consultations and patient scheduling efficiently. Implemented CQRS Pattern to decouple read and write operations, significantly enhancing system performance and scalability. Developed secure RESTful APIs using Java 17 and Spring Boot, ensuring seamless integration with frontend services. Integrated Spring Security to manage user authentication and role-based access control (Admin, Doctor, Patient). Utilized Spring Data JPA & PostgreSQL for efficient data persistence and complex relational database management. Applied SOLID principles to ensure the codebase is maintainable, testable, and clean. Java 17, Spring Boot, Spring Security, Spring Data JPA, PostgreSQL, CQRS Pattern, REST API, SOLID Principles, Maven, Postman	December 2025
Experience	Luminous Technical University College (ASAC) Java Backend Developer (Fellow) 🔗 https://www.google.com/search?q=https://asac.ltuc.com Architected and developed a robust Doctor Appointment Management System using Java 17 and Spring Boot, focusing on high availability and clean code. Implemented the CQRS pattern to enhance system performance and scalability by decoupling command and query responsibilities. Managed relational database design with PostgreSQL, ensuring optimal data integrity and efficient querying through Spring Data JPA/Hibernate. Integrated Spring Security (JWT/OAuth2) to handle secure user authentication and role-based access control. Applied SOLID principles and Design Patterns to ensure the codebase remains maintainable and extensible.	April 2025 - December 2025
	Nemer Al-Lozi & Partners Geotechnical Engineer Collaborated within a multidisciplinary team on a 35M JOD national infrastructure project, ensuring rigorous technical standards were met. Conducted technical analysis and soil investigations, managing detailed field data to support critical engineering decisions. Ensured Quality Assurance (QA) by inspecting materials and verifying compliance with strict government specifications. Transferred analytical discipline and a structured problem-solving mindset from large-scale engineering to the software development lifecycle.	Apr 2024 - Aug 2025 Jordan, Deir Alla
	Al-Karasneh for Engineering Studies & Materials Testing Materials Engineer Conducted specialized testing for soil, construction materials, and asphalt to ensure adherence to engineering standards. Performed field and laboratory inspections to verify material quality across various construction sites. Prepared technical reports documenting test results and data analysis for quality control purposes.	2018 - 2024
Soft Skills	Analytical Problem-Solving Attention to Detail Team Collaboration Adaptability & Continuous Learning Time Management Disciplined Work Ethic	
Education	Luminous (ASAC) Java Backend Development Tafila Technical University (TTU) Geotechnical Engineering	Apr 2025 - Dec 2025 Software Engineering 2012 - 2017 Bachelor's Degree
Languages	Arabic Native language English Intermediate	