MUHAMMAD SHAHIS KHAN

JAVA BACKEND DEVELOPER | SPRING BOOT & API SECURITY

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PROFESSIONAL SUMMARY

Java backend developer and Computer Science graduate building REST APIs, authentication services, and database-driven applications with Spring Boot. Delivered 40+ endpoints for a blockchain-based degree verification platform and developed reusable JWT/OAuth2 authentication. Combines layered backend design with practical API security knowledge and React integration.

TECHNICAL SKILLS

Languages & Core: Java 8+/21, JavaScript, SQL, OOP, Collections, Streams, data structures

Backend & Security: Spring Boot, Spring MVC, Spring Security, REST APIs, JWT, OAuth2, RBAC

Data & Architecture: JPA/Hibernate, MySQL, PostgreSQL, relational modeling, layered architecture

Tools & Delivery: Git, GitHub, Maven, Docker, Swagger/OpenAPI, Postman; AWS fundamentals

Additional: React, Electron, Ethereum, Solidity, Web3j, IPFS/Pinata, Nmap, curl, Burp Suite

SELECTED PROJECTS

CareerKey | Degree Verification & Career Platform GitHub / Demo

Final Year Project | Java 21, Spring Boot, React, MySQL, Web3j, Solidity, IPFS, Docker

- Designed backend architecture and developed 40+ REST endpoints for student requests, university review, HEC attestation, and public degree verification.
- Integrated digital stamping, IPFS document storage, QR verification, and Ethereum blockchain anchoring; secured stakeholder workflows with JWT and role-based authorization.

CoreAuth | Authentication & Authorization Backend GitHub

Personal Project | Java 21, Spring Boot, Spring Security, MySQL, Docker

- Built reusable authentication APIs with JWT access tokens, refresh-token rotation, Google/GitHub OAuth2 login, BCrypt password hashing, and role-based access control.
- Structured controllers, services, repositories, and DTOs; documented versioned REST endpoints with OpenAPI and configured Docker-based setup.

NetSpectre | Desktop Security & Network Diagnostics GitHub

Personal Project | Electron, React, Docker, Alpine Linux

- Built a Windows diagnostic workspace integrating Nmap, DNS utilities, curl, and network tools through a containerized runner, with live output, report export, and persistent notes.
- Implemented context-isolated Electron IPC, an executable allowlist, and argument-based process execution to avoid shell command concatenation.

RetailHub | E-Commerce Backend APIs GitHub

Personal Project | Java, Spring Boot, Spring Security, MySQL, Maven

- Developed product management, shopping cart, checkout, and order workflows with JWT authentication, role-based authorization, and a modular backend structure.

EDUCATION

BS Computer Science | University of Mianwali, Pakistan | 2022 - 2026

CERTIFICATIONS, LEARNING & WRITING

Google Cybersecurity Certificate - In progress, Coursera

AI Training Hackathon | KANZ AI | July 15, 2026 | Participation certificate

Guinness World Records Event Participant | AI video lesson, 14,075 participants | Certificate

Hashnode: The Hidden Danger in WordPress: XML-RPC and Pingback - security article