Muhammad Hammad Alamgir

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Professional Summary

Java Backend Developer experienced in developing and maintaining enterprise applications using **Java, Spring Boot, REST APIs, JPA/Hibernate, and SQL**. Experienced in financial application development, secure APIs, encryption/decryption, notifications, API Gateway, integrations, debugging, and feature enhancements. Strong understanding of backend architecture, database-driven applications, API development, and software development practices.

Technical Skills

Languages: Java, Python, SQL, JavaScript, C++ **Backend:** Spring Boot, REST APIs, Spring Data JPA, Hibernate, JDBC, Maven **Security:** Spring Security, JWT, RSA, AES-GCM, Encryption/Decryption **Databases:** MySQL, PostgreSQL, SQL Server **Architecture:** Layered Architecture, MVC, API Gateway, Microservices **Tools:** Git, GitHub, Postman, IntelliJ IDEA, VS Code **Concepts:** OOP, DSA, DBMS, SOLID, Agile, SDLC

Professional Experience

Java Backend Developer — Warmbytes *Sept 2026 – Present*

- Develop and maintain backend services for an enterprise financial application using **Java, Spring Boot, REST APIs, JPA/Hibernate, and SQL**.
- Work across Controllers, Services, Repositories, DTOs, integrations, and security components within a production codebase.
- Develop and enhance the **Aik Khata** module, including REST APIs, business logic, validation, and database operations.
- Work on **notification workflows, encryption/decryption, API Gateway configuration, integrations, bug fixes, and feature enhancements**.
- Debug backend and integration issues, test APIs using **Postman**, and analyze application logs.
- Collaborate with developers using **Git/GitHub** and follow code review and Agile development practices.

Java Backend Developer Intern — Warmbytes *july 2026*

- Developed backend features and REST APIs using **Java and Spring Boot** in a production development environment.
- Worked with Controllers, Services, Repositories, DTOs, JPA/Hibernate, and SQL databases.
- Learned and applied backend development practices including API design, validation, exception handling, database integration, and debugging.
- Tested APIs with **Postman** and contributed to integrations, bug fixes, and backend improvements using Git/GitHub.

Software Developer Intern — Lexon IT *june 2026*

- Developed and maintained web application features and database-driven functionality.
- Worked with backend APIs, frontend integration, debugging, and application improvements.
- Collaborated with developers using Git/GitHub and followed Agile software development practices.

Projects

Aik Tijarat — Enterprise Financial Application *Java, Spring Boot, REST APIs, API Gateway, JWT, RSA, AES*

- Contributed to backend development across **Aik Khata, notifications, API Gateway, encryption/decryption, integrations, bug fixes, and feature enhancements**.

Rahila Labs — Diagnostic Platform *Python, SQL Server, React.js*

- Built REST APIs for laboratory test booking, appointments, patient records, and multi-role workflows, integrated with SQL Server and React.js.

University Management System *Java, Spring Boot, REST APIs, MySQL*

- Built a hands-on Spring Boot backend to learn and apply **REST APIs, dependency injection, layered architecture, JPA/Hibernate, entity relationships, DTOs, validation, exception handling, authentication, and database operations**.
- Implemented CRUD operations and business logic using **Controller-Service-Repository** architecture with MySQL.

Education

Bachelor of Science in Information Technology **CGPA: 3.1 / 4.0**
Bahria University, Islamabad