

# OHAM SHAKYA

## Java Backend Developer

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### PROFESSIONAL SUMMARY

Java Backend Developer with 1.5 years of experience building backend applications and RESTful APIs using Java, Spring Boot, Spring Data JPA, JPA, Hibernate, and PostgreSQL. Strong in Core Java, Object-Oriented Programming, SQL, database integration, backend business logic, and REST API development. Experienced in insurance and ERP systems with a focus on clean, reliable, and maintainable code.

### TECHNICAL SKILLS

**Languages:** Java, SQL    **Backend:** Spring Boot, Spring Data JPA, JPA, Hibernate, ORM, RESTful APIs, Dependency Injection

**Core Java:** OOP, Collections, Stream API, Lambda Expressions, Functional Interfaces, Generics, Exception Handling, Java I/O, File Handling

**Database:** PostgreSQL, SQL, JDBC, CRUD Operations, Relational Databases    **Tools:** Git, Docker, Linux, Liquibase

### PROFESSIONAL EXPERIENCE

**Qpixel** Lalitpur, Nepal  
**Java Developer** 2026 – Present

- Develop and maintain backend applications using Java, Spring Boot, Spring Data JPA, JPA, and Hibernate.
- Design and implement RESTful APIs and backend services for business applications and workflows.
- Develop JPA entities, relationships, repositories, and database operations using Spring Data JPA and Hibernate.
- Implement backend business logic, validation, CRUD operations, and role-based access control.
- Develop JPQL, native SQL, and Spring Data JPA queries and work with PostgreSQL for application persistence.
- Use Docker and Linux-based environments for application development and deployment.
- Debug application and database issues and collaborate with senior developers and project managers.

**Qpixel** Lalitpur, Nepal  
**Java Developer Intern** 2024

- Developed practical knowledge of Core Java and OOP including encapsulation, inheritance, polymorphism, and abstraction.
- Worked with Java Collections, Stream API, Lambda Expressions, Generics, and Exception Handling.
- Worked with Java I/O and file handling operations.
- Used JDBC and SQL for database connectivity and CRUD operations.
- Used Git and participated in debugging, code review, and collaborative development.

### PROJECTS

**QIMS – Qpixel Insurance Management System** *Java, Spring Boot, JPA, Hibernate, PostgreSQL, SQL, Liquibase, REST APIs*

- Contributed to a backend insurance management system for customer, KYC, policy, agency, underwriting, and payment operations.
- Developed RESTful APIs and backend services using Java and Spring Boot for insurance business modules.
- Developed KYC and customer functionality including personal information, citizenship, nominee, family member, and document-related data.
- Implemented insurance policy and underwriting workflows including business validations, status management, and data processing.
- Developed agency and payment-related services supporting insurance operations and transaction workflows.
- Designed JPA entities and relationships using Spring Data JPA and Hibernate for database persistence.
- Developed JPQL, native SQL, and Spring Data JPA queries for retrieving and processing application data.
- Implemented CRUD operations, request validation, exception handling, backend business logic, and role-based access control.
- Worked with PostgreSQL for database design, data management, joins, and query optimization.
- Used Liquibase for database schema changes and version-controlled database migrations.
- Debugged backend, API, and database issues and collaborated with the development team to resolve application problems.

**Security ERP** *Java, Spring Boot, Spring Data JPA, Hibernate, SQL, REST APIs*

- Developed backend functionality for an ERP system managing security services, clients, contracts, employees, workstations, attendance, and business processes.
- Developed RESTful APIs using Spring Boot for client, contract, employee, workstation, and attendance management.
- Implemented backend business logic and validation for ERP workflows and operational processes.
- Developed JPA entities, relationships, repositories, and service-layer components using Spring Data JPA and Hibernate.
- Implemented CRUD operations and database queries using JPQL, native SQL, and Spring Data JPA.
- Implemented role-based access control and worked with relational database operations including joins, filtering, pagination, sorting, and data retrieval.
- Debugged API, business logic, and database-related issues during development and testing.

## PROJECTS

### Library Management System

*Java, Spring Boot, Spring Data JPA, Hibernate, PostgreSQL, REST APIs*

- Developed a backend library management system for books, members, borrowing, returning, reservations, availability, and fines.
- Designed RESTful APIs using Spring Boot for book, member, borrowing, returning, and reservation management.
- Implemented business logic for book availability, borrowing, returning, reservations, due-date tracking, and fine calculation.
- Developed JPA entities and relationships for books, members, borrowing records, reservations, and related database tables.
- Used Spring Data JPA and Hibernate for CRUD operations, entity mapping, and database persistence.
- Developed SQL and JPA queries for searching books, checking availability, retrieving borrowing history, and managing reservations.
- Integrated PostgreSQL and implemented validation and exception handling for borrowing, returning, reservation, and membership operations.

## EDUCATION

**Tribhuvan University** – Bachelor of Computer Application (BCA), Computer Science

01/2020 – 02/2025