

# OMVIKAS INDLA

## Java Backend Engineer

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[Portfolio](#) | [GitHub](#) | [LinkedIn](#)

## SUMMARY

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Results-driven Java Backend Engineer specialized in building secure, scalable, and high-performance distributed systems. Expertise in Java (8/11/17), Spring Boot, Microservices, and AWS deployment. Proven track record of optimizing database performance by 18% and implementing robust security protocols like JWT, OAuth2, and RBAC. Committed to SOLID principles, clean architecture, and Agile methodologies.

## TECHNICAL SKILLS

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**Languages:** Java (8/11/17), SQL (MySQL, PostgreSQL), NoSQL (MongoDB).

**Frameworks:** Spring Boot, Spring Security, Spring Data JPA, Hibernate, Spring Cloud.

**Tools & DevOps:** AWS (EC2, S3, RDS), Docker, Git, GitHub, Jenkins (CI/CD), Postman, Swagger.

**Testing:** JUnit 5, Mockito, Integration Testing.

**Core Concepts:** Microservices, RESTful API Design, Multithreading, ACID Transactions, Data Structures & Algorithms.

## EXPERIENCE

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### Backend Developer Intern | Coremasacia Technologies

- Engineered and maintained RESTful APIs for three production-grade Android applications using Spring Boot, ensuring seamless mobile-to-backend integration.
- Reduced database query latency by 18% through the strategic implementation of indexing, pagination, and query optimization in MySQL and MongoDB.
- Orchestrated the containerization of services using Docker and deployed on AWS EC2, maintaining a 99.9% system uptime.
- Strengthened application security by implementing JWT-based authentication and Role-Based Access Control (RBAC) to protect user data.
- Authored comprehensive unit and integration tests using JUnit and Mockito, significantly increasing code coverage and reliability.
- Collaborated with cross-functional teams to define API contracts, reducing integration issues by 30%.

## PROJECTS

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### Authentication & Authorization API (Security Focus) [\[Repository Link\]](#)

- Developed a robust security module using Spring Security and Java 17, featuring JWT (JSON Web Tokens) with secure Refresh Token rotation.
- Implemented an automated token revocation system and Role-Based Access Control (RBAC) to prevent unauthorized access to sensitive endpoints.
- Integrated BCrypt password hashing and global exception handling to ensure secure user onboarding and standardized error responses.

### E-Commerce Backend System [\[Repository Link\]](#)

- Implemented a production-grade e-commerce backend using Spring Boot and RESTful APIs, applying DTO-based request/response separation and layered architecture to ensure clean API contracts.
- Enforced data integrity and consistency using MySQL with Spring Data JPA, including unique constraints, transactional boundaries, and automated auditing for entity lifecycle management.
- Built robust backend validation and error-handling mechanisms using Bean Validation and global exception handling, delivering standardized HTTP responses for client-facing reliability.

#### Library Management System [\[Repository Link\]](#)

- Designed a high-integrity data layer using Hibernate and Spring Data JPA, strictly adhering to ACID compliance for financial transactions.
- Engineered advanced search functionality utilizing database indexing and server-side pagination to handle large datasets efficiently.
- Optimized data retrieval patterns using DTO (Data Transfer Objects) to reduce payload size and improve API response times.

## KEY STRENGTHS

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- **API Design:** Expert in designing stateless REST APIs using layered architecture, DTO patterns, and HATEOAS principles.
- **Database Management:** Proficient in schema design, transaction management, and performance tuning for both SQL and NoSQL systems.
- **Clean Code:** Strong advocate for SOLID principles, DRY architecture, and writing self-documenting code

## EDUCATION

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**Bachelor of Technology (B.Tech) in Computer Science & Engineering** DY Patil School of Engineering, Pune, India | [2026]

**Relevant Coursework:** Data Structures & Algorithms, DBMS, Operating Systems, Computer Networks, Object-Oriented Programming (OOP).