

OMVIKAS INDLA

Java Backend Engineer

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

SUMMARY

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

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

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

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 Microservices System [[Repository Link](#)]

- Designed a scalable backend architecture using Spring Boot and Spring Cloud, managing product catalogs, shopping carts, and order processing.
- Handled 10,000+ daily requests on AWS by implementing request validation and efficient service-to-service communication.
- Documented over 20+ REST endpoints using Swagger/OpenAPI, facilitating clear communication for frontend integration.

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

- **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

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).