

ABHISHEK SINGH

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Professional Summary

Highly motivated **Java Backend Developer** with hands-on experience in building scalable **RESTful APIs**, secure authentication systems, and database-driven backend solutions. Skilled in **Spring Boot, Hibernate/JPA, Oracle, MySQL, and microservices-based architecture**. Strong problem-solving ability with practical exposure to debugging, performance tuning, and writing clean, maintainable, production-ready code.

Work Experience

Cybrowse Digital Solutions Pvt. Ltd.

Java Backend Developer

May 2024 – Present

Hyderabad, India

- Developed and enhanced high-performance REST APIs using Spring Boot, resulting in faster response times and higher system reliability.
- Enforced secure authentication and authorization mechanisms using **JWT and RBAC (Role-Based Access Control)** to enhance application security.
- Refined Oracle and MySQL database queries, achieving a **25% performance improvement** through indexing and efficient Hibernate/JPA usage.
- Collaborated with QA and frontend teams to ensure smooth releases through Git-based workflows and CI/CD pipelines.

Major Projects at Cybrowse

1. Smart Bank Management System (Enterprise Platform)

May 2024 – Feb 2025

Tech Stack: Java, Spring Boot, JPA/Hibernate, Oracle, JWT, Maven, React.js

- Architected an enterprise-grade backend platform supporting **customer onboarding, KYC verification, authentication, and transaction workflows**.
- Established secure login and access control using JWT tokens, role-based authorization (Admin/Manager/User), and session expiration policies.
- Delivered core banking features including balance inquiry, fund transfers, mini statements, and ledger management.
- Developed validation utilities to ensure accurate inputs for email, mobile number, Aadhaar, and PAN.
- Configured a centralized exception-handling mechanism to ensure consistent API responses and better error traceability.
- Accelerated transaction batch processing by **30–35%** through SQL query tuning and ORM-level improvements.
- Supported frontend integration by collaborating on API consumption and assisting with React.js workflows for approximately 6 months.

2. Customer Support Ticketing System

Mar 2025 – Dec 2025

Tech Stack: Java, Spring Boot, REST APIs, MySQL, JPA, Swagger, Lombok

- Constructed a multi-level ticket lifecycle covering creation, assignment, prioritization, and resolution tracking.

- Automated escalation logic for overdue tickets based on inactivity thresholds and priority levels.
- Provided role-based dashboards for Admins, Support Engineers, and Customers to monitor ticket status in real time.
- Enabled internal discussion threads to support collaborative issue resolution and maintain audit history.
- Integrated Swagger-based API documentation to simplify testing and accelerate onboarding for new developers.
- Boosted support team efficiency by **40%** using rule-driven workflow automation.

Personal Projects

1. Curiosity Closet – Shopping Website

Aug 2024

Tech: React 18, TypeScript, React Router, Context API, Spring Boot, PostgreSQL, CSS3

 Live Project

- Launched a full-stack **e-commerce platform** featuring a React + TypeScript frontend and Spring Boot backend.
- Enabled key features such as **product browsing, category-based filtering, cart management, user authentication, and checkout workflow**.
- Deployed the **frontend on Vercel** and backend APIs with **PostgreSQL on Render** for scalable cloud hosting.
- Integrated a scheduled **health-check API ping every 5 minutes using UptimeRobot** to prevent backend cold-start delays.
- Strengthened application responsiveness and reduced API latency, achieving an overall **performance gain of nearly 30%**.
- Utilized clean code principles using reusable React components, centralized state management, and RESTful API design.

2. Lulu Mall Console Application

Apr 2024

Tech: Core Java, OOP, Exception Handling, CLI Design

 Project Link

- Constructed a CLI-based mall simulation system featuring **parking, shopping, movie booking, and food court** modules.
- Structured the codebase using modular functions, strong input validation, and dynamic bill generation.
- Crafted an interactive console flow that elevated user experience and reduced input errors.

3. Personal Portfolio

May 2024

Tech: HTML, CSS, JavaScript

 Live Portfolio

- Created and launched a responsive portfolio website to showcase technical skills, projects, and professional experience.

Education

RGPV University B.Tech in Computer Science — CGPA: 8.0/10	2021 – 2025
Doon Public Hr. Sec. School Higher Secondary — 80%	2019 – 2021
The Brain Shapers Higher Sec. School Secondary — 80%	2018 – 2019

Skills

- **Backend:** Java, Spring Boot, REST APIs, Microservices, JWT, JSP, Servlets, Kafka
- **Database:** Oracle, MySQL, SQL, PL/SQL, PostgreSQL, Redis, JPA/Hibernate
- **Tools:** Git, GitHub, Maven, Jenkins, Docker, Postman, Swagger, JUnit, ELK Stack
- **Frontend Basics:** HTML, CSS, JavaScript, TypeScript, React.js
- **Core CS:** OOP, Multithreading, Exception Handling, SDLC
- **Platforms:** VS Code, IntelliJ IDEA, STS, Eclipse IDE, Linux Commands
- **Soft Skills:** Problem Solving, Communication, Team Collaboration

Achievements

- Solved 50+ DSA problems on LeetCode and HackerRank.
- Elevated backend performance by **15–20%** through query tuning and efficient API design.
- Contributed multiple backend utilities and open-source projects on GitHub.

Additional Technical Exposure

- Hands-on experience with REST API testing using Postman and Swagger.
- Familiar with application logging, debugging, and performance monitoring in Spring Boot applications.
- Basic understanding of deployment workflows and cloud hosting concepts (Vercel, Render).
- Experience working with layered architecture and clean code principles.

Certifications

- Web Designing (HTML5, CSS3, Bootstrap) — Easy-Shiksha (2024)