Ayush Bhardwaj

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SUMMARY

Computer Science graduate with hands-on experience in developing backend microservices using Java, Spring Boot, and Spring Cloud during an internship at PixoSpace. Built secure RESTful APIs with JWT authentication and API Gateway routing, and integrated Apache Kafka for asynchronous communication. Applied low- and high-level design principles along with test-driven development to deliver scalable, maintainable backend systems.

INTERNSHIP EXPERIENCE

Java Developer Intern   Feb '25 — Jun '25
PixoSpace   Jaipur, India
- Collaborated on backend development using **Java** and **SpringBoot** frameworks
- Implemented and tested secure **RESTfulAPIs** using **Postman**, and **JUnit**, contributing to faster feature rollouts
- Debugged backend modules and optimised **SQLqueries** in **MySQL**, reducing **APIresponsetimeby20%**
- Participated in **Low-Level Design (LLD)** and **High-Level Design (HLD)** discussions, strengthening **System Architecture**

EDUCATION

Bachelor of Technology in Computer Science Engineering, JECRC University, Jaipur (GPA: 8.0/10)   Jan '21 — Dec '25
                                                                                                        Jaipur, India

Senior Secondary, Maheshwari Public School, Ajmer (GPA: 9.2)   Apr '20 — Dec '21
                                                                        Ajmer, India

Secondary, Maheshwari Public School (GPA: 9.3)   Apr '18 — Mar '19
                                                            Ajmer, India

CERTIFICATIONS

Advanced Data Structures and Algorithms, Scaler Academy

Computer Systems and Fundamentals, Scaler Academy

Low-Level Design, Scaler Academy

High-Level Design, Scaler Academy

Backend Development, Scaler Academy

PROJECTS

E-Commerce Application - Java & Spring Boot Backend Project, PixoSpace Link   Jaipur
- Developed Microservices (Product, Authentication, Payment) using Java, Spring Boot, and Spring Cloud.
- Built secure REST APIs with JWT-based authentication, API Gateway routing, and role-based access control.
- Structured services using the **Model-View-Controller (MVC)** design pattern for better code maintainability.
- Integrated Apache Kafka for async communication, improving service decoupling and reliability
- Wrote SQL queries for MySQL integration and tested endpoints using Postman.
- Contributed to **Low-Level Design (LLD)** and **High-Level Design (HLD)** discussions to understand service architecture

BookMyShow Clone – Core Java, MVC Architecture Link
- Built a **movieticketbookingsystem** with features like user registration, show scheduling, and seat reservation.
- Designed the application using the MVC pattern to separate concerns and improve code readability
- Wrote **modular**, **reusablebackendlogic** using **object-oriented principles** without relying on external frameworks

Splitwise Clone– Core Java, MVC Architecture Link
- Developed a **basicexpense-sharingsystem** using **CoreJava**, following the MVC architecture.
- Implemented features like user creation, group tracking, and expense recording with data consistency checks.
- Structured the project using the **MVCdesignpattern** to improve **modularity** and **codeorganisation**
- Structured backend logic with an emphasis on **clarity** and **reusability**, leveraging core **OOP concepts** without additional libraries.

SKILLS

Programming Languages   Java
Databases   MySQL
Frameworks and Libraries   Spring Boot, Spring Security (JWT, OAuth2.0), Spring Data JPA, Hibernate, Spring Cloud, API Gateway
Development Tools   Git, Postman, Maven(basic), Docker (basic), Kubernetes(basic)
AI Tools & Assistants   ChatGPT, Github Copilot, Gemini AI, Perplexity AI, Cursor IDE

Core Concepts   REST APIs, OOP, Microservices Development, System Design, Data Structures & Algorithms, DBMS, Operating Systems, Computer Networks, Agile Methodologies