

Ayush Aryal

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PROFESSIONAL SUMMARY

Motivated Java backend developer with hands-on experience in Spring Boot and PostgreSQL, skilled in building clean, scalable REST APIs using layered architecture. Proficient in DTO mapping, JWT authentication, WebSocket communication, Swagger documentation, and backend logic design. Eager to contribute in a collaborative team environment and grow through real-world backend development experience.

TECHNICAL SKILLS

- **Languages & Frameworks:** Java, Spring Boot (REST, Security, Validation), Hibernate/JPA, MVC Pattern
- **Database & ORM:** PostgreSQL (Joins, Indexing, Schema Design), Hibernate (Lazy/Eager, Cascade, Entity Relationships)
- **API Design & Architecture:** RESTful API Development, DTO Pattern, Clean Architecture, Service Layer Abstraction
- **Authentication & Security:** JWT Authentication, Role-Based Access Control (RBAC), Refresh Token Flow, Password Encryption (BCrypt)
- **Real-Time Communication:** WebSocket (STOMP), Live Notifications, Typing Indicators
- **Testing & Documentation:** Postman, Swagger/OpenAPI, Exception Handling, Input Validation
- **Dev Tools & Version Control:** GitHub, IntelliJ IDEA, STS (Spring Tool Suite), VS Code
- **Cloud & Media Management:** Cloudinary (Image Upload/Deletion), Email OTP Verification
- **Soft Skills:** Problem Solving, Team Collaboration, Communication

PROFESSIONAL EXPERIENCE

CodeRawLingo – Backend Developer (2025)

- Built RESTful APIs with Spring Boot using DTOs and JPA for PostgreSQL integration.
- Handled API documentation (Swagger), testing (Postman), and backend deployment with team.

PROJECTS

SkillShare – Backend Developer (2025 – Present)

[GitHub Repo](#)

- Developed scalable backend modules for user, category, and skill management using Spring Boot.
- Engineered a custom skill-matching algorithm utilizing HAVE/NEED logic across categories.
- Implemented secure JWT authentication with refresh tokens and role-based access control (RBAC).
- Integrated **real-time chat and notification system using WebSocket (STOMP)** for match requests, unread messages, and typing indicators.
- Managed media securely using Cloudinary, including profile image upload and OTP email verification.
- Documented all APIs using Swagger to support seamless frontend-backend collaboration.

E-Commerce Backend System (2024)

[GitHub Repo](#)

- Created CRUD operations for product, category, and order modules.
- Applied validations, DTO abstraction, and PostgreSQL data persistence.
- Followed clean MVC pattern and exception handling best practices.

EDUCATION

B.Sc. CSIT – Tribhuvan University (7th Semester – Ongoing)

12th Grade – GPA: 3.64 (Passed in 2078 B.S.)