# Yash Ambarraj Bagal

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## Professional Summary

Backend Developer specializing in Java Spring Boot with expertise in RESTful API development, microservices architecture, and database management. Experienced in building scalable enterprise applications with JWT authentication systems. Proficient in Spring Data JPA, Hibernate ORM, and implementing clean architecture principles for maintainable backend systems.

## Technical Skills

**Languages:** Java, SQL, Python, C++, JavaScript, TypeScript
**Backend Frameworks:** Spring Boot, Spring MVC, Spring Data JPA, Hibernate ORM
**Databases:** MySQL, PostgreSQL
**Tools & DevOps:** Docker, Git, Maven, Postman, GitHub Actions
**Core Competencies:** RESTful API Design, Microservices Architecture, Database Schema Design, JWT Authentication, ORM Design Patterns, API Development, System Design

## Experience

**Slytherin EduTech Pvt. Ltd.** *Aug 2024 – Jan 2025*
*Full Stack Developer Trainee (Remote)*

- Developed modular RESTful APIs using Spring Boot for multiple enterprise web applications
- Implemented JWT-based authentication and role-based authorization for secure API endpoints
- Built backend services with Spring Data JPA and Hibernate for database operations and data persistence
- Collaborated in Agile environment following best practices for code quality and maintainability

**Arcelor Private Limited** *Jun 2023 – Jul 2023*
*Software Development Intern (Remote)*

- Developed backend APIs for internal dashboards handling business logic and data processing with PHP
- Implemented server-side functionality for MySQL database operations and dynamic content management

## Technical Projects

**Library Management System** *Java, Spring Boot, Hibernate, MySQL, JWT*
🔗 github.com/yash1648/Library-Management-System *2025*
- Designed and developed comprehensive RESTful API backend using Spring Boot and Hibernate ORM
- Implemented JWT-based authentication system with role-based access control for multiple user types
- Created normalized database schema with proper relationships for managing books, users, and transactions
- Built CRUD operations for book management, user registration, and borrowing/return workflows

**Daily Diary AI** *Java, Spring Boot, PostgreSQL, NLP, AI/ML*
🔗 github.com/yash1648/Daily-Diary-AI *2025*
- Built backend system integrating NLP processing for AI-powered emotional analysis from journal entries
- Designed RESTful APIs for journal entry management with encrypted data storage
- Implemented secure authentication and cloud-synced data workflows for privacy-first diary application
- Developed backend services for mood pattern detection and AI-driven insights delivery

## Open Source Contributions

**Password Manager** *JavaScript, Node.js, MySQL*
🔗 github.com/jaykumarpatil314-ux/Password-Manager *2024*
- Contributed to backend API development with merged pull requests for encryption workflows
- Enhanced database operations and resolved security vulnerabilities following best practices
- Improved backend code structure for password management system security

## Education

**R.C. Patel Institute of Technology, Shirpur** *2025 – Present*
B.Tech in Computer Engineering

**Nikam Institute of Technology, Dhule** *2021 – 2024*
Diploma in Computer Engineering – 89% Aggregate (First Class with Distinction, Ranked 1st)

## Certifications & Achievements

**Certifications:** Java (HackerRank: b527c2e815dd) — C++ Programming (Udemy: UC-89e00bb8) — Rust (CodeChef: ba36950)
**Achievements:** Winner – "C Mania" Programming Competition — Open Source Contributor with Merged PRs