

YASH AMBARRAJ BAGAL

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Portfolio: yash-bagal-portfolio.vercel.app

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

Programming Languages: Java, SQL, Python, C++, JavaScript, TypeScript, HTML, CSS, PHP
Backend Frameworks: Spring Boot, Spring MVC, Spring Data JPA, Spring Security, Hibernate ORM, Node.js, Express.js
Frontend Technologies: React, Angular, HTML5, CSS3, Bootstrap, Tailwind CSS
Databases: MySQL, PostgreSQL, MongoDB
Tools and DevOps: Docker, Kubernetes, Git, GitHub, Maven, Gradle, Postman, GitHub Actions, Jenkins
Cloud and Deployment: Vercel, AWS, Linux, WSL2
API Development: RESTful APIs, Microservices, API Documentation, Swagger
Architecture Patterns: MVC, Layered Architecture, Clean Architecture, Dependency Injection
Authentication and Security: JWT, OAuth, Spring Security, Encryption, Role-Based Access Control
Development Practices: Agile, Git Version Control, Code Review, Unit Testing, Integration Testing
Database Skills: Schema Design, Query Optimization, Database Normalization, ORM Mapping, JDBC
Additional Skills: Data Structures, Algorithms, System Design, Problem Solving, NLP Integration

PROFESSIONAL EXPERIENCE

SpringBoot Developer Trainee

August 2024 – January 2025

Slytherin EduTech Pvt. Ltd., Remote, India

- 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

Software Development Intern

June 2023 – July 2023

Arcelor Private Limited, Remote, India

- 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

Technologies: Java, Spring Boot, Hibernate, MySQL, JWT

GitHub: 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

Technologies: Java, Spring Boot, PostgreSQL, NLP, AI/ML

GitHub: 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

Technologies: JavaScript, Node.js, MySQL

GitHub: 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

Bachelor of Technology in Computer Engineering

2025 – Present

R.C. Patel Institute of Technology, Shirpur, Maharashtra, India

Diploma in Computer Engineering

2021 – 2024

Nikam Institute of Technology, Dhule, Maharashtra, India

Percentage: 89% (First Class with Distinction, Ranked 1st)

CERTIFICATIONS AND ACHIEVEMENTS

Certifications:

Java (HackerRank Certificate ID: b527c2e815dd)

C++ Programming (Udemy Certificate ID: UC-89e00bb8)

Rust (CodeChef Certificate ID: ba36950)

Achievements:

Winner – C Mania Programming Competition

Open Source Contributor with Merged Pull Requests