

JOBHOOK: An Intelligent Online Job Portal System for Efficient Recruitment

Samruddhi Bhor, Sapna Dhonage, Motiram Ingale, Vishnukant Gadekar

Prof. (Dr.) Brijendra Gupta

Department of Information Technology

Siddhant College of Engineering, Pune

Abstract

This paper presents JOBHOOK, an online job portal system designed to bridge the gap between job seekers and employers. The system provides efficient job posting, application tracking, and secure interaction using React.js, Spring Boot, and MySQL. Advanced features like JWT authentication, AI resume builder, and chatbot improve usability and recruitment efficiency.

Keywords

Online Job Portal, Recruitment System, Spring Boot, React.js, MySQL, AI Resume Builder

1. Introduction

Traditional recruitment systems are inefficient and time-consuming. JOBHOOK provides a digital solution that enables real-time interaction between job seekers and employers.

2. Literature Review

Existing systems lack real-time updates, security, and intelligent features. JOBHOOK addresses these limitations with a scalable and user-friendly platform.

3. Problem Statement

Job seekers lack updated opportunities and employers struggle to find suitable candidates. A centralized system is needed.

4. Objectives

- Simplify recruitment
- Provide real-time updates
- Ensure security and scalability
- Improve accessibility

5. Methodology

The system uses a 3-tier architecture:

Presentation Layer: React.js

Business Layer: Spring Boot

Database Layer: MySQL

Modules include authentication, job management, admin panel, chatbot, and resume builder.

6. Results and Discussion

The system improves recruitment efficiency, ensures secure authentication, and provides smooth interaction. Testing includes unit, integration, and user testing.

7. Future Enhancements

AI recommendations, chat system, resume analyzer, and mobile application.

8. Conclusion

JOBHOOK simplifies the hiring process and demonstrates full-stack development using modern technologies.

9. References

<https://spring.io/>

<https://react.dev/>

<https://getbootstrap.com/>

<https://dev.mysql.com/>