Mathesh Ravichandran

mathesh1907@gmail.com | LinkedIn | +919360599740 | Portfolio

SKILLS

PROGRAMMING
BACK END DEVELOPMENT
Java • Spring • SpringBoot
FRONT END DEVELOPMENT
HTML • CSS • Angular(Basic)
Familiar:
MySQL • H2 • PostgreSQL
TOOLS
Git • GitHub • Maven • JUnit •
Mockito • Eclipse • IntelliJ IDEA •
VSCode • Postman • Swagger UI •
Docker • Keycloak • pgAdmin •
MySQL Workbench •
SOFT SKILLS
Team player • Problem-solving •
Communication • Adaptability

EDUCATION

BCSM
Bharathidasan University
BSc in Information Technology
May 2023 | Thanjavur
Major CGPA: 7.2/10

LINKS

GitHub:// **click here**
LeetCode:// **click here**
LinkedIn:// **click here**
Twitter:// **click here**
Facebook:// **click here**
Portfolio:// **click here**

DSA

DATA STRUCTURES
Arrays and Strings •
Linked List •
Stack and Queue •
Tree and Hash Table
ALGORITHMS
Searching , Sorting •
Divide and Conquer •
Recursion •
Greedy • Backtracking

COURSES

Data Structures and Algorithms (I)
Data Structures and Algorithms (II)
Building a REST API with SpringBoot

OBJECTIVE

- Java developer passionate about crafting efficient, maintainable code. Seeking to leverage technical skills in Java, Spring Framework, and SQL to contribute to innovative projects and collaborate with a dynamic team, driving software development excellence and achieving mutual success

PROJECTS

E-BOOK.MD (Book application)
- Developed a RESTful API using Java, Spring Boot, PostgreSQL, and Keycloak for secure user authentication and book management.
- Implemented real-time notifications using WebSockets to ensure dynamic content updates between users and the backend.
- Built and deployed the Angular frontend, ensuring smooth integration with the backend and enhancing user experience.

QUICKMART.MD (E-commerce)
- Developed a RESTful API using Java, Spring Boot, and MySQL. Optimized database interactions using JPA
- Implemented features including product management, user authentication, and order processing.
- Designed robust search functionality for products based on various criteria.

WORKWISE.MD (Job Portal)
- Developed a job listing backend using Spring Boot and MongoDB
- Created RESTfulAPIs forjobposting, searching, andfilteringbased on profile, tech stack, and experience
- Implemented search functionality using MongoDB's text search and aggregation framework.
- Integrated Swagger UI for API documentation and testing

CONNECTNOW.MD (Real-time Chat Application)
- Developed a real-time chat application using Java with WebSocket for instant messaging.
- Integrated features such as group chats, file sharing, and message encryption.
- Spring for back-end services and React forthe front-end

ACHIEVEMENTS

- Increased system reliability by 15% by implementing WebSocket-based real-time notifications for dynamic content updates.
- Improved API response time by 20% by optimizing query handling and database indexing in PostgreSQL.
- Enhanced user authentication and security by integrating Keycloak for role-based access control, improving data protection by 30%.
- Achieved seamless integration between Angular frontend and Spring Boot backend, improving platform performance by 25%.

HOBBIES

Traveling • Fitness • Reading • Nutrition • Self-Improvement