

# Bittu Kumar

Java Developer

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## Profile

Results-driven and highly skilled Java Full Stack Developer with 2.8+ years of experience in building scalable applications using **Java, Spring Boot, React.js, and JavaScript**. Skilled in creating dynamic web applications and RESTful APIs. Passionate about solving complex problems and contributing to innovative teams in delivering high-quality, secure, and efficient solutions.

## Skills & Abilities

- **Programming Languages:** Java, JavaScript, TypeScript, SQL
- **Frontend Technologies:** React.js, Redux, HTML5, CSS3, Bootstrap, Material UI, ANTD design
- **Backend Technologies:** Spring Boot, Hibernate, Spring Data JPA, Spring MVC
- **Databases:** MySQL, PostgreSQL.
- **Tools & Platforms:** IntelliJ IDEA, Eclipse, Visual Studio Code, Maven, Jenkins
- **Version Control:** Git, GitHub
- **Others:** RESTful APIs, JUnit, Docker

## Education

### BACHELOR OF TECHNOLOGY IN ELECTRONICS AND COMMUNICATION ENGINEERING

Rajasthan Technical University, Kota | 2019

- **Achieved: 72%**
- **Recognized for:** Securing the first position

## Experience

### ZKTECO BIOMETRIC INDIA PVT. LTD. | BENGALURU | JAVA DEVELOPER | MARCH 2022 - TILL DATE

- Designed and developed **RESTful APIs** and microservices using **Spring Boot** and integrated them with **React.js frontends**.
- Built responsive, user-friendly interfaces using **React.js, HTML, CSS, and JavaScript**.
- Developed reusable components and state management using **Redux**, ensuring scalability and maintainability.
- Practiced Test-Driven Development (TDD) methodologies to write comprehensive unit test case using frameworks like **JUnit and Mockito, ensuring code quality**, reliability, and maintainability.
- Employed **Docker for containerization and Jenkins** for continuous integration and deployment.
- Optimized web performance by implementing best practices like lazy loading and code splitting.
- Actively participated in **Agile/Scrum methodologies, contributing to sprint planning, daily stand-ups, and retrospectives** to ensure timely delivery and continuous improvement of the product.
- **Foreign Project Contribution:** Travelled to Thailand as part of the team at **Armatura Tech co. ltd** to collaborate on developing a new version of the company application.
  - Successfully implemented frontend changes for the upgraded version of the application using React.js, JavaScript, and CSS.
  - Prepared comprehensive release documentation ensuring a smooth deployment process.
  - Successfully released the upgraded application, meeting client expectations and timeline requirements.

## Project

### 1. ZKBIO ZLINK WEB APPLICATION| ROLE: FULL STACK DEVELOPER

**TECHNOLOGIES:** JAVA 11, Spring Boot, MVC Design Pattern, Data JPA, **SQL**, React JS, Material UI, HTML, CSS

#### Overview:

- ZKBio Zlink is a groundbreaking project harnessing IoT (Internet of Things) technology to revolutionize access control, visitor management, attendance tracking, and surveillance systems for businesses.
- There are four different projects under ZKBio Zlink - **Cloud Access, Cloud Attendance, Cloud Surveillance, Cloud Visitor.**

#### Role/Responsibilities:

- Developed and maintained backend solutions using Java 11 and Spring Boot, adhering to MVC design patterns for scalability and maintainability.
- Managed databases efficiently using Data JPA and SQL to store and retrieve critical organizational data.
- Developed responsive and intuitive front-end interfaces using React JS and Material UI.
- Integrated microservices for seamless communication and interoperability.
- Wrote comprehensive **JUnit** test cases to ensure backend reliability.
- Managed Git repositories, reviewed code, and ensured adherence to coding standards.
- Participated in Agile processes, contributing to sprint planning and retrospectives.

#### Impacts:

- Spearheaded the optimization of Import module by using Spring Batch framework and Apache POI library – leading to 40% faster import of records
- Improvement of Code Quality and Code Structure through regular review of Peer-to-peer code
- Increased responsiveness of the UI of the project using advanced React.js and its libraries.
- API response modified leading to faster retrieval of data, enhancing User Experience.

### 2. THAILAND ON-SITE APPLICATION UPGRADE

**TECHNOLOGIES:** HTML, CSS, React JS, and its library like Material UI, Ant Design and others.

#### Overview:

- Worked on-site with the Thailand-based team to implement frontend customizations for the upgraded web application based on client requirements.

#### Role/Responsibilities:

- Implemented **frontend UI customizations** using **React.js, HTML, CSS**, and libraries like **Material UI** and **Ant Design** to meet client specifications.
- Prepared detailed documentation to support the deployment and release process.

#### Impacts:

- Delivered a customized, responsive UI using modern libraries, enhancing user experience and client satisfaction.
- Successfully completed the project with comprehensive documentation, ensuring smooth deployment and future updates.

## Certification

- **Java Programing (09/2022 - Present)**  
Udemy Certification
- **Web Development (12/2022 - Present)**  
Udemy Certification
- **Spring Security (02/2023 - Present)**

## Achievement

- **Solved Java and SQL Question**  
In Hacker rank, got 3 stars
- **Technical Project Exhibition at College Level**  
Won a Bronze medal
- **Simulation test on ZKTeco Biometric Project**

## Activities and Interests

- Enthusiastic reader with a keen interest in technology and programming literature.
- Avid cricket player, fostering teamwork and discipline on and off the field.
- Find joy in spending time outdoors, appreciating nature, and engaging in activities that promote a connection with the environment.
- Actively engage in planting and gardening as a fulfilling and environmentally conscious hobby, contributing to a greener and healthier living space.