

# ABDUL RAHMAN K.M

Java Full Stack Developer

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## Summary

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Experienced Java Full Stack Developer with a passion for crafting robust web applications. Highly adaptable, with a proven aptitude for problem-solving and a keen ability to quickly assimilate new ideas and technologies.

## Professional Experience

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### Freelancer

March 2018 - Present

*Java, JavaFX Developer*

*Calicut, Kerala*

- Designed and implemented software solutions to meet specific business needs, enhancing efficiency and workflow.

### Cobol Fortran

2019 - 2020

*Java J2EE Developer*

*Malappuram, Kerala*

- Experienced in the development and management of Java enterprise applications, demonstrating proficiency in designing, implementing, and maintaining robust solutions.

### National Health Mission (NHM)

2020 - 2022

*Data Analysis with Excel Macros*

*Malappuram, Kerala*

- Conducted in-depth data analysis using Excel macros, extracting valuable insights and trends to support decision-making processes.

## Projects

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### Medicare Health - Therapist Booking Service | [GitHub Link Backend](#) [GitHub Link Frontend](#)

- Developed Medicare Health, a specialized online platform for therapist booking services, offering a seamless experience for users seeking therapeutic sessions. Employed a robust tech stack, including **Java Spring Boot** and **MySQL** for backend development, **React** and **Angular** for the frontend, and implemented a **Microservices architecture** with various services.
- The microservices architecture was facilitated by **Gateway**, **Resilience4j**, **Eureka server**, **Loadbalancer**, and **Kafka** for efficient communication between different services.
- Implemented a secure registration and authentication system using **JWT** and **OAuth** for enhanced security.
- Integrated **Websocket** to provide real-time chat functionality, allowing users to communicate seamlessly with vendors.
- Utilized **Tailwind CSS** and **Bootstrap** to ensure an appealing and user-friendly interface.
- Utilized **REST API** for seamless integration and efficient handling of API calls.
- Integrated **Razorpay**, **Stripe** for secure and efficient payment processing, supporting various payment methods.
- Docker** containers were used for deployment, ensuring consistency across various environments.
- Hosted using various **AWS services**, and configured **Nginx** as the web server for optimal performance and reliability.

### PcKart - E-commerce Application | [GitHub Link Backend](#) [GitHub Link Frontend](#)

- Developed PcKart from scratch, a comprehensive e-commerce platform tailored for computer and computer peripherals enthusiasts. Leveraging **Java Spring Boot microservices**, **Angular**, **MySQL**, and **PostgreSQL**, the application provides a seamless online experience for buying and selling a wide range of computer-related products.
- Implemented a user-friendly product listing page with advanced filtering for easy discovery of computer peripherals.
- Features such as **cart**, **wishlist** and order management.
- Implemented a user **wallet system**, enabling refunds for canceled or returned orders with ease.
- Integrated **Aws s3 bucket**, **Cloudinary** for secure and fast storage of media files.
- Implemented **Spring mail** for enabling the mail services.
- Hosted using **Railway** and **Heroku** web server.

### Supermarket Management System | [GitHub Link](#)

- Developed a comprehensive Supermarket Management System using Java and **JavaFX**, leveraging **Scenebuilder** for designing interactive and user-friendly interfaces.
- Incorporated **multithreading** to optimize performance and responsiveness, ensuring efficient execution of concurrent tasks within the application for a seamless user experience.
- Utilized **JFoenix** to create a modern and stylish UI, enhancing the visual appeal of the application and improving overall user engagement.

- Implemented **PostgreSQL** as the database backend to store and manage supermarket-related data, ensuring robust and scalable data storage.
- Integrated **Google Gson** for seamless handling of JSON data, facilitating efficient communication and data exchange within the system.
- Incorporated **JasperSoft** for generating detailed **PDF** reports and billing, providing a comprehensive overview of sales and inventory for better business management.
- Ensured adherence to best practices in software design and development, resulting in a reliable and user-friendly Supermarket Management System.

## Technical Skills

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**Languages:** Java, JavaScript, TypeScript, SQL, NOSQL, HTML, CSS

**Frontend:** Angular, React, Redux Toolkit, Ajax jQuery, Tailwind CSS, Bootstrap, Sass

**Backend:** Spring, Spring Boot, Microservices, Hibernate, Thymeleaf, WebSocket, Rest API, JWT, OAuth2




**Database:** MySQL, PostgreSQL, MongoDB

**DevOps:** Docker, Jenkins, Kubernetes

**Others:** Linux, AWS, Nginx, Git, GitHub, Figma, Postman

## Mini Projects

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- **Dependency Manager for Maven Repositories - Java, JavaFX, PostgreSQL** - Developed a comprehensive Dependency Manager using **Java, JavaFX, PostgreSQL, WebView, and MultiThread** technologies. Created a **modern UI** with **JavaFX**, ensuring an enhanced user experience and ease of dependency management. Implemented a robust backend in Java and **PostgreSQL** for efficient storage and retrieval of dependency metadata. Utilized **multi-threading** techniques to optimize the download process, enabling faster and parallel downloads of dependencies. Incorporated **Selenium** and **jsoup** for data scraping, enhancing the application's capabilities. Integrated **WebView** to display documentation and streamline the user's workflow. Check out the project on  [GitHub](#).
- **Chat App - Spring Boot and React:** Developed an chat web application using Java Spring Boot and React. Implemented **WebSocket, SockJS, and Stomp JS** for real-time chat features, enhancing the user experience with instant message updates. Implemented **JWT authentication** to enhance security and user authentication. Incorporated **Spring Mail** for email services. Used **Axios** for smooth data fetching and implemented **Redux Toolkit** for efficient state management in the React application.  [GitHub](#)
- **Land Converter - Angular:** Developed a specialized Land Operations application using **Angular and Bootstrap**, tailored to assist Akshaya Projects in performing calculations and conversions related to land operations. Utilized **RxJS** for handling asynchronous operations . Leveraged third-party APIs to fetch real-time data for accurate land measurements and conversions, improving the reliability of the application.  [GitHub](#)

## Education

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**B.Sc - Computer Science**

*University of Calicut*

**2014 - 2017**

*Calicut, Kerala*

## Brototype

*Java Developer - Calicut, Kerala*

- \* Designed and implemented Java-based software solutions to address specific business requirements, thereby improving operational efficiency and optimizing workflow.