ABDUL RAHMAN K.M

Java Full Stack Developer

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Summary

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

Freelancer　　　　　　　　　　　　　　　　　　　　　　　　　**March 2018 - Present**
Java, JavaFX Developer　　　　　　　　　　　　　　　　　　　　　　　　*Calicut, Kerala*

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

National Health Mission (NHM)　　　　　　　　　　　　　　　　　　　**2021 - 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

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.

Technical Skills

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

- **Supermarket Project - Java and JavaFX -** Developed a Supermarket Project using **Java and JavaFX**, utilizing **Scenebuilder** for designing interactive user interfaces. Incorporated **multithreading** to optimize performance and responsiveness, ensuring efficient execution of concurrent tasks within the application. Employed **JFoenix** for a modern and stylish UI. Used **MySQL** as the database to store and manage supermarket-related data . Integrated **Google Gson** for seamless handling of JSON data . Incorporated **JasperSoft** for generating detailed PDF reports and billing. 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

B.Sc - Computer Science   **2014 - 2017**
University of Calicut   *Calicut, Kerela*