Mohamed Rifkhan

Portfolio | **GitHub** | **LinkedIn** | +447438867659 | ar.mohamed.rifkhan@gmail.com | Stoke-on-Trent, UK

Professional Summary

Seasoned software engineer with over three years of expertise in building robust web and mobile applications. Proven proficiency as a full-stack developer using Java, React, React Native, Angular, and Android Studio. Adept at architecting scalable and efficient solutions, I've consistently delivered high-quality software. My passion for innovation and commitment to best practices drives my work, and I'm enthusiastic about contributing to the success of forward-thinking organizations.

- Experienced in developing android and cross-platform mobile applications using Android Studio, Java, React Native, and Firebase.
- Proficient in developing dynamic and scalable web applications using Angular for the frontend and Java Spring Boot for the backend.
- Experienced in setting up and optimizing CI/CD pipelines, ensuring efficient software delivery and automation of release processes.
- Adept at working in Agile environments, fostering collaboration, and delivering high-quality software on time.
- Proficient in utilizing Agile project management tools, including Jira, Bitbucket, and Git, for efficient workflow and version control.
- Proficient in both monolithic and microservices architectures, utilizing Netflix architecture components for building scalable and resilient applications.
- Experienced in working with MS SQL, MySQL, PostgreSQL, and MongoDB, ensuring efficient data storage and retrieval.
- Expertise in implementing robust authentication and authorization mechanisms to secure applications and data.

Skills

- **Programming and Development:** Java, Spring Boot, Hibernate, Object-Oriented Programming (OOP), Mobile App Development, Android Studio, React Native, JUnit, Rest API, JavaScript, TypeScript, Angular, React.js, HTML, CSS, Bootstrap, jQuery, Blockchain Technology, Hyperledger Fabric
- **Database and Data Storage:** MS SQL, PostgreSQL, MySQL, MongoDB, Firebase
- **Cloud Services and DevOps:** AWS, Azure, Git, Bitbucket, Jira, Agile Methodology, Docker, Kubernetes, AWS S3, Continuous Integration/Continuous Delivery (CI/CD), Test-Driven Development (TDD)
- **Architectural Expertise:** Microservices, Netflix Architecture, Monolithic, Frontend Development, Backend Development, Full-Stack Development

Experiences

QualitApps Asia (Pvt) Ltd, Software Engineer   **12/2021 – 09/2022**

- Spearheaded the conversion of the Spanish Health Ministry National Transplant Organization's web application from a PHP project into a Java microservices project, using technologies such as **Java, Spring Boot, Angular, MySQL, Bitbucket, and Jira.**
- Designed and developed the Employer Management System and Event Management System using **Angular, .NET, and Azure technologies.**
- Led the development of several products E2E, from identifying system requirements and partner dependencies to workload balancing, software implementation, engineering, testing, and configuring metrics, monitors, and dashboards.
- Engaged in an interview panel during my tenure for the position of Junior Java Developer.
- Continuous Integration/Deployment (CI/CD) Pipeline Integration, pull requests, code reviews, load/stress testing, unit/integration/e2e testing.
- Developed RESTful web services and APIs, ensuring high performance and security, and integrated them into various applications.
- Worked closely with the QA team to perform unit and integration testing using JUnit.
- Improved application maintainability by applying object-oriented programming (OOP) principles.
- Resolved complex technical issues and bugs, providing timely solutions.
- Successfully translated design concepts into pixel-perfect, visually appealing user interfaces using HTML, CSS, and Bootstrap.

- ➢ Optimized application performance by implementing lazy loading, caching, and other optimization techniques.
- ➢ Collaborated in an Agile development environment, participating in daily stand-ups and sprint planning, and using tools like Jira for project management.

Open University of Sri Lanka, Software Engineer   **08/2020 – 12/2021**
- ➢ Implemented web applications for student registration and finance using **Spring Boot, Angular, Bitbucket, Jira, PostgreSQL, and AWS.**
- ➢ Played a pivotal role in transforming the system's monolithic architecture into a more scalable and efficient microservices architecture, effectively modularizing functionalities, improving system flexibility, and enhancing overall performance.
- ➢ Collaborated with the LMS Portal team to successfully integrate their system with the Student Management System using a third-party API, enhancing data exchange and streamlining processes.
- ➢ Actively contributed by sharing valuable insights and knowledge with fellow team members, fostering a collaborative environment and facilitating the growth of the entire team.
- ➢ Incorporated Continuous Integration/Continuous Deployment (CI/CD) Pipeline Integration, managed pull requests and conducted code reviews, executed load and stress testing, Junit, integration, and e2e testing.
- ➢ Utilized Spring Security for authentication and authorization, enhancing the overall security of applications.
- ➢ Conducted code reviews and mentored junior team members to ensure code quality and best practices.
- ➢ Collaborated with the database team to create and maintain database schemas and optimized data retrieval using Hibernate.

Programus Lanka (Pvt) Ltd, Software Engineer Intern   **08/2018 – 02/2019**
- ➢ As a key member of the Optimo Software team, I assumed a leadership role in successfully integrating a cutting-edge Box Office feature, further solidifying the software's competitive edge in the market.
- ➢ Collaborated with cross-functional teams, including backend and UI teams, to foster a collaborative environment where I actively participated in daily stand-up meetings. This experience enhanced my communication and teamwork skills, enabling effective collaboration across the organization.
- ➢ Gained proficiency in **.NET and Angular**, harnessing these technologies to contribute to real-world projects. This hands-on experience allowed me to apply theoretical knowledge in practical contexts, furthering my skillset.
- ➢ Assisted in database management using MS SQL, contributing to data handling and storage strategies that are crucial in modern software development.
- ➢ Adapted quickly to the fast-paced work environment, learning new technologies and methodologies to stay up-to-date with industry standards and best practices.

Educations

Staffordshire University | United Kingdom   **09/2022 – 09/2023**
MSc in Computer Science (Software Engineering) - Distinction

University of Moratuwa | Sri Lanka   **01/2016 – 03/2020**
BSc in Information Technology

Certificates

- ➢ **AWS Academy Graduate**: AWS Academy Cloud Foundations Amazon Web Services Training and Certification - link here
- ➢ **HackStat 2.0 – Hackathon**: JOHN KEELS, OCTAVE, MICROSOFT, STAT CIRCLE - link here
- ➢ **Sri Lanka Unites**: Participated future leader conference - link here
- ➢ **Blockchain Technology** - link here

Projects

- ➢ **Tracking Management System**: (Blockchain Technology, Hyperledger Fabric, Go, Web3, React, Docker) – link here
- ➢ **Wheel Chair Users:** A mobile application was developed as part of a Master's Degree project. The application was developed using Android Studio and Java programming language. The app was integrated with Firebase for data storage and retrieval.) – link here
- ➢ **Marketing App:** This app was developed for the client to market their products using React Native and Firebase.– link here