

# MOHAMMED REZAAN RIYAZ

Colombo, Sri Lanka

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## SUMMARY

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Associate Tech Lead (Frontend) with extensive experience specializing in React.js. Expert in designing complex web applications with a focus on responsive design, performance optimization, and seamless UX. Skilled in leading cross-functional teams and collaborating with designers and developers. Committed to implementing best practices and staying current with industry trends.

## EXPERIENCE

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**Company:** Axinom

Fürth, Germany

### Associate Tech Lead (Remote)

March 2024 – Present

- Initially joined as a **Senior Frontend Engineer** and led the team from day one; formally promoted to Associate Tech Lead after **8 months**.
- Directed a frontend team in developing and managing high-performance web applications for international clients, ensuring seamless user experiences across diverse markets.
- Delivered multiple tailored **Progressive Web Applications (PWAs)** using **Next.js**, including a content portal downloader, film portal, and audio exam portal.
- Implemented **i18n** seamless **multi-language support**, enhancing user experience.
- **Utilized SCSS (Sass)** for maintainable styling and employed **React, TypeScript**, and **GraphQL** for robust frontend solutions.
- Led the application from concept to **production**, ensuring all features were ready for stakeholder evaluation.
- Achieved a **98.7%** improvement in application **performance** through rigorous **optimization** and code refinement, significantly enhancing user satisfaction.
- Created **visually appealing interfaces**, receiving positive feedback from stakeholders and end-users.
- **Leveraged** companies' **internal product** named **Mosaic**, and its micro frontends to manage and utilize the client's film and audio content.
- Integrated frontend applications with Mosaic's **API** for seamless content management.
- **Implemented DRM** services and used **Shaka Player** for secure content playback.
- Ensured smooth **deployment** and operation of frontend applications in collaboration with the **DevOps** team.
- Delivered client-focused solutions that not only met but exceeded business objectives, with a focus on ensuring rigorous evaluation and validation processes.
- Conducted API testing and debugging using **Postman** for REST APIs and **GraphiQL** for GraphQL APIs.
- Provided **technical guidance** and tailored solutions during client meetings, coordinating with cross-functional teams.
- Coordinated tasks, **mentored** team members, and ensured timely delivery across staging, **UAT**, and **production** environments.
- Managed projects and collaborated effectively using **Azure DevOps**.
- Communicated with global team members using **Slack** and **Zoom**, maintaining documentation standards with **JIRA** and **Confluence**.
- **Reduced page load times by 15%** through optimization techniques.
- **Proactively addressed security vulnerabilities**, ensuring data integrity.

- Conducted **code reviews**, enforced standards, and fostered continuous improvement.
- Contributed to sprints and retrospectives within **Agile/Scrum** frameworks.
- Delivered **client-focused solutions** aligned with business objectives, reporting directly to the **Director of Professional Services**.
- Integrated **NextAuth** with **Azure AD** for secure, simplified authentication.
- Added support for seamless **multi-browser compatibility** across both **Mac** and **Windows** platforms, ensuring consistent functionality across all major browsers.
- **Implemented hash checks** across Distribution Content Portal (**DCP**), achieving near 100% success in file transfers, and resolved file corruption and app crash issues related to large token volumes.
- Integrated **Google Tag** consent mode and **CookieYes** for enhanced **compliance** and user consent management on the company's website.
- **Initiated** usage of **ChatGpt Pro** for coding from March 2025 onwards for the entire team.

**Company:** Kodez

Melbourne, Victoria, Australia

**Frontend Engineer (Remote)**

March 2021 – Feb 2024

- Expertise in **TypeScript** with in-depth knowledge of **HTML**, **CSS/SCSS**, **JavaScript**, and **React** concepts.
- Utilized the **Material UI** React component library to streamline UI development.
- Implemented **TanStack React Query** for efficient data fetching and state management.
- Developed a **content management system (CMS)** React application with a **microarchitecture**.
- **Led** the project from 0 to a **Minimum Viable Product (MVP)**, adhering to **SOLID principles**.
- Developed new features, performed bug fixes, oversaw 40+ **production releases**, and optimized a complex database with 250+ **SQL tables**.
- Drove adoption of Test-Driven Development (**TDD**) and integrated **Cypress**, elevating test coverage to **90%+** and ensuring high-quality, stable releases.
- **Integrated Cypress** for end-to-end testing, ensuring the functionality and stability of the React application.
- **Successfully integrated** the CMS with **APIs** from major clients (NTT DATA, Toshiba, Park Assist, City, Fiserv), ensuring seamless interoperability for global users.
- **Implemented a React Redux architecture** for enhanced state management and streamlined data flow.
- **Contributed** to the development of a **Node.js (Express.js)** backend for both the **backend** and **BFF** layers, enhancing system architecture and performance.
- **Converted UX/UI frameworks** into visually appealing interfaces, receiving positive feedback from stakeholders and end-users.
- **Utilized AWS S3** for image storage, improving system performance.
- **Implemented** performance optimization techniques, reducing page load times by **40%** and enhancing the overall user experience.
- **Developed** and maintained a reusable component library using **Storybook**, reducing development time by **30%**.
- **Proactively identified** and addressed **security vulnerabilities**, ensuring data integrity and implementing best practices.
- **Contributed** to the migration of legacy systems, including **XHTML**, **Laravel PHP**, **jQuery**, and **MySQL**, to modern frameworks utilizing **React.js**, **Express.js**, and **PostgreSQL**, improving maintainability and reducing technical debt by 25%.
- Conducted API testing and debugging using **SOAP UI** for SOAP APIs and **Postman** for REST APIs, ensuring robust integration with backend systems.

- Integrated complex APIs from international clients, optimizing interoperability and delivering a seamless experience for global users.
- Conducted **code reviews**, enforcing standards, and fostering a culture of continuous improvement.
- Played a key role in a dynamic team within a fast-paced startup environment, contributing to **team growth** from fewer than 10 members to over 60 employees.
- **Coordinated** operations across staging, **UAT**, and **production environments**, managing over 100 million requests annually and 700+ GB of bandwidth for global users.
- Engaged in **technical discussions**, gaining insights into best practices and industry standards.
- Experienced in **Agile/Scrum methodologies** and contributed to sprints and retrospectives.
- Ensured **cross-browser compatibility** and testing using tools like **BrowserStack**.
- Maintained **documentation** standards using **Swagger**, **JIRA**, and **Confluence**.
- Utilized MySQL Workbench for database management in the legacy system and transitioned to DBeaver for PostgreSQL in the new architecture.

**Company:** CoinGuru

**University:** La Trobe University

**Research Assistant (RA) and Teaching Assistant (TA) for PhD Candidate in Cybersecurity (Remote)**

*Melbourne, Victoria, Australia*

Aug 2021 – July 2022

#### RA Duties

- **Collaborated** closely with a **PhD candidate** on their research topic, focusing on **GDPR (General Data Protection Regulation)** and its implications in **cybersecurity**.
- **Played** a key role in the development of a **web application** and associated tools, methodologies, and frameworks relevant to the candidate's research objectives.
- **Demonstrated proficiency** in coding and **web application development**, utilizing relevant technologies and programming languages as required.
- **Implemented** practical solutions and insights derived from the research to enhance the functionality and effectiveness of the web application.
- **Collaborated** with the candidate to gather data, analyze results, and derive meaningful conclusions in line with the research objectives.
- **Worked** in adherence to **ethical considerations** and research protocols, ensuring the integrity and validity of the research findings.
- **Maintained** effective communication and a professional working relationship with the candidate, respecting their authorship and ownership of the research outcomes.

#### TA Duties

- **Assisted** the **PhD candidate** with teaching responsibilities by answering questions related to course materials and exams, ensuring students' understanding of the subject matter.
- **Graded** assignments and exams, providing constructive feedback to students to support their academic progress.
- **Demonstrated strong organizational and time management skills** in balancing responsibilities with other commitments.
- **Actively participated** in course planning meetings and contributed ideas for improving the **course curriculum** and instructional methods.

**College:** British College of Applied Studies (BCAS) Information Technology Society

**Executive Member (Onsite)**

Colombo, Sri Lanka

Dec 2018 – Nov 2020

- **Managed** events such as **graduations** and **sports activities**.
- **Conducted exams** and coordinated with both **parents** and **students**.
- **Supervised exams** individually and in groups.
- **Developed strong public relations skills** and effectively handled diverse family dynamics.

**Company:** RaSoft

Colombo, Sri Lanka

### **Frontend Engineer (Onsite)**

June 2019 – Feb 2021

- **Assisted** in the development of **user interfaces** using **PHP** and **jQuery**, gaining exposure to **JavaScript**, **HTML**, and **CSS/SCSS**.
- **Collaborated** with the development team to implement **web-based user interactions** based on provided designs.
- Spearheaded the development of an Employment Management System (**EMS**) from concept to production, showcasing end-to-end **project delivery**.
- Actively participated in code reviews and pair programming, improving code quality and fostering collaborative development practices.
- **Engaged** in technical discussions, gaining insights into **best practices** and industry standards.
- **Acquired foundational experience** in **Agile/Scrum methodologies** and contributed to sprint planning and refinement sessions.
- **Experience** with a **seed-stage startup**.

### **Intern (Onsite)**

Dec 2018 – May 2019

- **Spearheaded** business development initiatives, contributing to a **20% increase** in client acquisitions.
- **Developed** and **optimized** the company website, enhancing user experience and improving **conversion rates by 15%**.
- **Collaborated** with cross-functional teams to formulate and execute a comprehensive **business strategy**, resulting in **25% revenue growth**.

### **Private Tutor (Onsite)**

Colombo, Sri Lanka

Jan 2012 – May 2014

- **Provided** personalized tutoring for students in grades 4 to 8, focusing on **Mathematics**, **Science**, and **English**.
- **Developed** customized lesson plans and learning materials to address individual student needs and learning styles.
- **Utilized** various teaching methods, including hands-on activities, visual aids, and interactive sessions, to enhance student engagement and understanding.
- **Conducted** regular assessments and progress reviews to monitor student performance and adjust teaching strategies accordingly.
- **Communicated** regularly with parents to provide updates on student progress and address any concerns or questions.
- **Successfully improved** student academic performance, with many students achieving higher grades and increased confidence in their abilities.
- **Fostered** a positive and encouraging learning environment, helping students develop effective study habits and a lifelong love of learning.

## EDUCATION

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### **Bachelor of Science (B.Sc) with Honours – Computer Science**

University of Bedfordshire

### **Higher National Diploma (HND)– Computer Science**

Pearson BTECH

### **Higher National Diploma (HND) – Mechatronics**

Cardiff Metropolitan University

## CERTIFICATIONS

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AWS Associate Solution Architect

## PROJECTS

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- **Bright Data Web Scraper:** NextJs, Tailwindcss, Firebase function and Bright Data API.
- **Rapid API Crypto App:** React, Rapid API (Coinranking and Bing News Search), Chart.js, Redux Toolkit.
- **GPT3 Modern Landing Page:** NextJs, Tailwindcss.
- **Hoobank Modern Landing Page:** NextJs, Tailwindcss.
- **Open AI Chatbot:** Next.js, TailwindCSS, Firebase, Google Sign-In and TypeScript.
- **Open AI DALLE Image Generator:** Vite, Tailwind CSS, ExpressJS, Cloudinary and MongoDB.
- **React Dashboard App:** React, Nivo Chart, MongoDB, ExpressJS, Mongoose, and Redux Toolkit.
- **Restaurant Management System:** .Net C# and MYSQL
- **Self-Balancing Robot:** Arduino
- **Music Player:** C#, Queue (ADT), Linear Search (Search Algorithm), Bubble Sort (Sort Algorithm).
- **Weather:** .Net C#, MYSQL, Weather API
- **Ecommerce:** Vanilla PHP, HTML, CSS, MYSQL and jQuery
- **Streaming Platform:** MERN, MUI, Swiper, React Router and JWT