MOHAMMED REZAAN RIYAZ

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EXPERIENCE

Company: *Axinom*

Fürth, Germany

Senior Frontend Engineer (Remote)

March 2024 – Present

- **Led** a team in developing and managing frontend applications for a prominent language school client.
- Delivered three 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**% increase in application **performance** through **optimization** and code refinement
- 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.
- 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 **DCPs**, 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.

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**.
- Adopted **Test-Driven Development** (TDD) practices, increasing test coverage to over **90%**.
- **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.
- 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.
- **Developed** an **Employment Management System (EMS)** from 0 to production.
- **Contributed** to code reviews and actively participated in **pair programming** sessions to enhance coding skills.
- **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

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

AWS Associate Solution Architect

PROJECTS

- **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