

# M. REZAAN RIYAZ

## Software Engineer, Full Stack

📍 Colombo, Sri Lanka

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## EXPERIENCE



**KODEZ**  
Melbourne, Victoria

**Software Engineer, Full Stack**  
March 2021 - Present

### Existing System (Laravel Stack):

- Contributed to the development and maintenance of Amtek Corporation's Core Management System (CMS) for diverse sectors, overseeing 40+ production releases and optimizing a complex database with 250+ SQL tables.
- Successfully integrated the CMS with APIs from major clients (NTT DATA, Toshiba, Park Assist, City, Fiserv), showcasing adaptability and ensuring seamless interoperability.
- Contributed to the implementation of cron jobs for scheduled tasks, optimizing system performance and contributing to the completion of over 1.5 million jobs.
- A dynamic team in a fast-paced startup environment, witnessing team growth from less than 10 members to over 60 employees.
- Coordinated operations across staging, UAT, and production environments, processing over 100 million requests annually and managing 700+ GB bandwidth across global users.
- Elevated documentation standards by crafting an intuitive Swagger interface, ensuring unparalleled clarity and accessibility to the API documentation.

### New System (Microservices with React, AWS, and Cloudflare):

- Significantly contributed to re-creating the CMS using modern microservices architecture, adopting technologies like React, React Query, MUI, and Auth0.
- Collaborated closely with the team lead in decision-making processes, providing valuable insights into technology stack choices based on expertise and project requirements.
- Contributed to the implementation of a Node.js-based backend for both the backend and BFF layers, contributing to an enhanced system architecture and improved performance.
- Assisted in migrating from manual deployment to a streamlined GitHub Actions workflow for AWS, and integrated AWS services and Cloudflare, utilizing S3 for image storage and enhancing system performance.
- Introduced Jest for backend testing and Storybook for UI component development, ensuring reliable code quality.
- Mentored interns and associates, participated in the interview process, and contributed to technology stack decisions.
- Contributed to the rigorous security measures, aligning the new system with stringent OWASP compliance, fortifying defenses against XSS, SQL injection, and other potential vulnerabilities.
- Spearheaded the Dompurify library to sanitize data, establishing an impregnable defense against potential security threats and ensuring data integrity.

## EDUCATION

### University of Bedfordshire

BSc. (Hons) in Software Engineering

### Pearson College London

HNDE in Software Engineering

### Cardiff Metropolitan University

HNDE in Mechatronics

## CERTIFICATIONS

**AWS Associate Solution Architect**

For a more detailed overview of my experience and projects, please visit my professional website.