

M. REZAAN RIYAZ

Software Engineer, Full Stack

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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 Stack):

- 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

TECHSTACK

JavaScript (ES6+)

TypeScript

React

NextJs

Node.js

ExpressJs

TailwindCSS

Styled Component

Material-UI

Atomic Design Pattern

Atomic Design Pattern

Storybook

React Query

Redux Toolkit

Jest

Postman

PostgreSQL

MongoDB

Docker

Vercel

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