Oscar Madegwa

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# Summary

Dynamic and dedicated web developer skilled in building scalable, efficient, and user-centric applications using Spring Boot, React, and containerization with Docker. Currently pursuing a Bachelor’s degree in Computer Science, with a deep commitment to continuous learning and excellence in coding standards.

# Technical Skills

Languages: Java, JavaScript, HTML, CSS

Frameworks & Libraries: Spring Boot, ReactJS, Vite, TailwindCSS

Containerization: Docker

Tools & Technologies: Git, GitHub, MySQL, REST APIs

Development Environment: XFCE (Linux)

# Education

Bachelor of Science in Computer Science  
University of Karatina, Kenya  
Expected Graduation: october 2027

# Projects

## 1. React E-commerce Web App

Repository: react\_app (https://github.com/madegwa-o/react\_app)

Description: Developed a ReactJS e-commerce web application with a fully responsive design, featuring a dynamic product page and integration between UserEntity and Product. Implemented efficient state management with Vite and optimized component reusability for scalability.

Technologies: ReactJS, Vite, TailwindCSS, JavaScript

## 2. One-to-One Chat App

Repository: One2One\_chatApp (https://github.com/madegwa-o/One2One\_chatApp)

Description: Designed and developed a chat application leveraging Java and Spring Boot. Focused on implementing secure, real-time messaging and connection management to handle concurrent users seamlessly.

Technologies: Java, Spring Boot, MySQL

## 3. Dockerized Applications

Repository: Docker-yeah (https://github.com/madegwa-o/Docker-yeah)

Description: Created and deployed containerized applications using Docker, encapsulating configurations for streamlined development and deployment. Demonstrated proficiency in server virtualization, networking, and container orchestration.

Technologies: Docker, Shell Scripting

# Other Notable Contributions

• Code Quality and Version Control: Strong GitHub contributions through pull requests, issue tracking, and code reviews across various projects, showcasing a commitment to code quality and collaborative development.

• Technical Documentation: Comprehensive documentation for several projects, demonstrating attention to detail and facilitating project handovers and team collaboration.

# Extracurricular Activities

• Open Source Contributor: Contributed to various open-source projects, improving functionality, fixing bugs, and enhancing documentation.

• Technical Blogging: https://medium.com/@madegwaoscar317/mastering-user-authentication-with-access-and-refresh-tokens-in-spring-boot-and-react-861ced606577

# References

Available upon request.