

**Joy Mutanu**

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### Professional Summary

Versatile and results-driven **Full Stack Developer** with hands-on experience in building dynamic, scalable web applications using **JavaScript (ES6+)**, **React.js**, **Node.js**, **Flask**, and modern frameworks. Proficient in **RESTful APIs**, **database design**, and full-cycle application development. Strong background in **UI/UX design**, **performance optimization**, and **agile methodologies**. Eager to collaborate with innovative teams to deliver impactful end-to-end solutions.

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### Core Competencies

#### Front-End Development

- **Languages & Frameworks:** HTML5, CSS3, JavaScript (ES6+), React.js
- **Styling:** Tailwind CSS, Material UI, Bootstrap
- **State Management:** Redux, Context API
- **Responsive Design:** Mobile-first approach, Flexbox, Grid

#### Back-End Development

- **Languages & Frameworks:** Node.js, Express.js, Flask (Python)
- **Authentication & Security:** JWT, OAuth, bcrypt
- **API Development & Integration:** RESTful APIs, third-party APIs

#### Database Management

- **Databases:** MongoDB, PostgreSQL, SQLite, db.json
- **ORM & Query Builders:** Mongoose (for MongoDB), SQLAlchemy (for Flask)

#### DevOps & Deployment

- **Version Control:** Git, GitHub
- **Deployment Platforms:** Vercel, Netlify, Heroku
- **CI/CD Tools:** GitHub Actions

## Testing & Debugging

- **Testing Frameworks:** Jest, React Testing Library
- **API Testing:** Postman

## Tools & Utilities

- **Package Managers:** npm, yarn
- **Code Editors:** VS Code
- **Design & Prototyping:** Figma

## Soft Skills

- **Collaboration:** Agile/Scrum methodologies, pair programming
- **Communication:** Technical documentation, code reviews
- **Problem-Solving:** Debugging complex issues, optimizing performance

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## Professional Experience

### Frontend Developer (Freelance)

*Remote | 2024 – Present*

- Designed and implemented interactive web interfaces using React.js and modern web technologies.
- Integrated secure and scalable RESTful APIs to enhance application functionality.
- Achieved 30% performance improvement through code optimization and lazy loading strategies.
- Maintained version control using Git and collaborated via GitHub on team-based repositories.
- Conducted thorough debugging and unit testing using React Testing Library and Jest.

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## Selected Projects

### Ambulance Management System

[Live Demo](#) | [GitHub](#)

- Built a full-stack ambulance dispatch app using Flask and React.js.
- Integrated JWT authentication and Haversine formula for geolocation-based filtering.

- Enabled real-time ride tracking and hospital favoriting system.

## Crime Investigation System

[GitHub](#)

- Developed a secure web application for managing and tracking crime reports and investigations.
- Implemented role-based authentication for admins, officers, and reporters using JWT.
- Integrated a case management system with status updates, evidence uploads, and report history.

## University Portal

[GitHub](#)

- Built a comprehensive portal for students, faculty, and admins using React, Node.js, and Postgresql.
- Features include course registration, result tracking, announcements, and secure login.

## TV Maze Movie Website

[Live Demo](#) | [GitHub](#)

- Developed an API-driven movie catalog with search and filter capabilities.
- Reduced page load times by 30% using React performance techniques.

## Shopping Cart App

[Live Demo](#) | [GitHub](#)

- Built an e-commerce platform using REST APIs and db.json for data handling.
- Completed MVP delivery within one week, demonstrating agile adaptability.

## Makeup Product Showcase

[Live Demo](#) | [GitHub](#)

- Fetched live data from Makeup API and developed a scalable front-end architecture.
- Employed TailwindCSS and Material UI for a polished, mobile-first UI.

## Bot Battlr Game

[Live Demo](#) | [GitHub](#)

- Created a turn-based game interface with complex state handling using React Context API.
- Incorporated interactive UI elements and RESTful backend integration.

## Camera Product Website

[Live Demo](#) | [GitHub](#)

- Designed a high-performance camera showcase site using HTML, CSS, and JavaScript.
  - Optimized for SEO and responsive design best practices.
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## Education

### Software Engineering – Moringa School

*Current Student*

- Emphasis on backend integration, database management, and scalable architecture.

### Web Designing – Inceptor School

*January 2024 – August 2024*

- Learned front-end technologies and WordPress development.

### High School Graduate

- *Grade: B+*
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## Certifications & Professional Development

- Web Designing Certificate – Inceptor School
  - Regular participant in LeetCode and HackerRank coding challenges
  - Contributed to open-source projects and participated in GitHub hackathons
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## Key Achievements

- Recognized for user-focused design and intuitive UI/UX.
  - Increased client satisfaction through pixel-perfect front-end implementations.
  - Successfully delivered 10+ full-stack applications under tight deadlines
  - Achieved 30%+ performance improvements through code optimization strategies
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## Community Involvement

- Mentored junior developers on JavaScript and React best practices.
- Participated in open-source sprints and peer programming initiatives.
- Supported coding bootcamps by delivering workshops and tech talks.