



# Mathews Etiegni

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## EXPERIENCE

January 2023 - Current

### Back End Development

- Developed and maintained a variety of software applications using Python, Ruby and Rust
- Gained experience in using data structures and algorithms to optimize code performance
- Worked on a team to develop an inventory management system, gaining experience in database management and user interface design
- Utilized version control systems like Git to manage codebase and collaborated with team members effectively
- Gained experience in debugging and testing software applications to ensure their performance and reliability
- Continually updated technical knowledge and skills by attending in-house and external courses, reading manuals, and accessing new applications

January 2021 - January 2023

### Web development Cooperative University

- Under the supervision of my mentor in Cooperative university, we slowly came up with a filtration system online that would assist students to know if they were eligible to conduct examinations
- Assisted in the development and maintainance of the lunch menu system in school

January 2020 - January 2022

### UI/UX Designer Healthcare Booking Platform

- Designed bilingual (English/Swahili) medical appointment booking system
- Built user flows and wireframes in Figma for both patients and healthcare providers
- Conducted usability testing with Maze across different demographic groups

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## CERTIFICATIONS

- Rust Programming Certification, Coursera, 08/24
- Ruby on Rails Web Development, Codecademy, 08/23
- Full-Stack Web Development Certification, FreeCodeCamp, 06/22
- Certificate in TypeScript C++ Java, W3Schools
- Certificate in Flutter for mobile application Development, Udemy

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## EDUCATION

01/2021

### Kenya Certificate of Secondary Education

Friends' School Kamusinga

GPA: A

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## SUMMARY

As a software developer, I've successfully delivered multiple web applications using Leptos and JavaScript, including a performance-optimized project management dashboard that reduced client-side rendering time by 40% and improved user engagement metrics. My recent API solutions developed in Rust have demonstrated robust backend performance, with one microservice handling over 10,000 concurrent requests with sub-50ms response times. I specialize in creating scalable technology solutions that directly address business challenges, with a proven track record of translating complex technical requirements into clean, efficient code. My current objective is to join an innovative team where I can leverage my expertise in Rust and web technologies to develop high-impact software solutions that drive measurable business value and technological advancement.

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## SKILLS

- JavaScript
- React
- Ruby
- Rust
- Leptos
- Docker

## ONLINE PRESENCE

### Github

<https://www.github.com/Thewsthews>

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## PROJECTS

### - RESTFUI API.

- A high-performance Api enabling real time data processing for an online bookstore, Rust, Ruby, Sqlite, Docker, AWS, Developed a RESTful Api using Rust for core performance-critical endpoints and Ruby for rapid prototyping and business logic,
- Implemented features such as user authentication, data filtering and rate limiting for improved security., Optimized the overall response times by 40% using concurrency., Deployed with Docker on AWS achieving 99.9% uptime and scaling to handle 100,000+ requests per minute.

### - Responsive Portfolio.

- A mobile-friendly, responsive website for my portfolio, HTML, CSS, JavaScript, Designed and implemented a fully responsive front-end application compatible with both desktop and mobile devices.,
- Used CSS flexbox and grid tool for a fluid layout., Integrated interactive components including a dynamic navigation menu and animated elements.

### - Website:

- Rust, Leptos, Rocket, Diesel.
  - Developed a high-performance web application for an online store using Rust and the Leptos framework., Leptos is a modern, Rust-based web framework that enables efficient server-side rendering and client-side interactivity.
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## INTERPERSONAL DYNAMICS

- Adaptability
- Technical documentation writing
- Pair programming dynamics
- Open-source contribution