
Vincent Mutua

Software Developer | Backend Engineer |

Full-Stack Developer

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Website- <https://portfolio-amdj.onrender.com>

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A Dedicated Full-Stack Developer specializing in building and testing robust web applications, with hands-on experience in JavaScript (Angular, React, Node.js), Python (Django), and Java. Passionate about quality engineering, I excel at designing automated testing framework Cypress and implementing end-to-end testing strategies for APIs, databases PostgreSQL, MongoDB and cross-platform applications Flutter, React Native. My background spans healthcare IT, data visualization, and SaaS development, with a proven ability to deliver secure, scalable solutions. I'm actively seeking software engineering internships or junior roles where I can contribute my full-stack skills while growing in a collaborative environment.

TECHNICAL SKILLS

- Testing – Cypress, Jest, Jasmine
- Frontend - HTML, CSS, JavaScript, Angular, TypeScript, Reactjs
- Backend -Python -Django, Java, Nodejs
- Databases - PostgreSQL, MongoDB, MySQL
- Mobile - Flutter, React Native
- Other Tools: Git, REST APIs, Prisma ORM

EXPERIENCE

Software Developer

CodeDevs-Remote | December 2022 – February 2024

- Provide quality assurance consulting services for web applications and systems
- Design and implement testing strategies for custom software solutions

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- Conduct API testing and integration validation for Angular and Node.js applications
 - Execute regression testing for legacy application enhancements
 - Perform database testing and optimization validation for MySQL systems

Attaché

Mbooni Subcounty Hospital, Makueni County | May 2024 – August 2024

- Provided technical support for hospital systems and networks to ensure smooth daily operations
- Provided technical support for LAN/WAN infrastructure, including switch/router setup, cable management, and resolving connectivity issues across departments
- Helped improve system performance by identifying and resolving common IT issues
- Helped maintain and troubleshoot the hospital's electronic medical record (EMR) system
- Maintained documentation of IT tasks, equipment, and technical support requests

Skills & Tools: EMR systems, LAN/WAN, Network Devices, Printers

Data Visualization Specialist – Remote

- Created interactive and insightful dashboards to help clients understand trends and make data-driven decisions
- Collected, cleaned, and analyzed datasets from various sources to extract key insights
- Designed visual reports using charts, graphs, and maps to communicate complex data clearly
- Worked directly with clients to define goals, gather requirements, and deliver tailored visual solutions

Skills & Tools: Microsoft Excel, Power BI, Tableau, Python (Pandas, Matplotlib)

EDUCATION

Software Engineering Program

Modcom Institute of Technology, Westlands | 2020

Bachelor of Science in Applied Computer Science

Chuka University, Ndagani | 2021 – 2025

High School

Chogoria Boys High School, Chogoria | 2017 – 2021

Primary

Konza Primary | Mwimbi Boarding

PROJECTS

Customer Chatbot (Kazibot) System – Frontend-Angular, Backend-Node js-Typescript, Testing - Karma & Jasmine:

- Multi-platform, real-time chat application which enables users to interact with an AI-powered chatbot and integrates with platforms like Facebook Messenger and WebChat
- The frontend is built for a modern, responsive user experience, while the backend manages authentication, message processing, and platform integrations.
- RESTful API server with real-time capabilities.
- **Technologies:** Angular, Prisma ORM, PostgreSQL, Tailwind CSS, Socket.IO for Testing.
- **Access:** Demo available upon request.
- **Link:** vinmutua/Proj-Backend-chatbot: backend-chatbot sch and vinmutua/Proj-Frontend-chatbot: sch-ui

Lecture Alert – Django-Based Notification System - (Python -Django)

- Developed a web application to manage user accounts and send scheduled notifications for lectures or events
- Key functionalities include user registration/login, scheduled email alerts, and admin tools for managing users and notifications
- Integrated Brevo (Sendinblue) for sending automated email alerts and account verification messages
- Implemented background task scheduling with Celery and Redis to handle time-based notifications and async processes
- Tools & Technologies: Django, Python, MySQL, Celery, Redis, Brevo (Sendinblue), HTML/CSS

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- Access: Demo available upon request
 - Link: [vinmutua/Lecture-Alert: messaging lecturer alert system](#)