

# GRIFFINS MUTEHERI MUHAVI

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## PROFESSIONAL SUMMARY

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**Software engineer** with a strong focus on **reliability, resilience**, and **user trust**. I build and maintain systems where uptime, correctness, and performance are critical, taking full ownership from design through production. I believe the best technology is invisible to users; quietly dependable and engineered to perform when it matters most.

## TECHNICAL AND PROFESSIONAL SKILLS

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- **Frontend:** React, Next.js, JavaScript (ES6+), C#, Java, Tailwind CSS, Responsive Design.
- **Backend & API:** Node.js, TypeScript, .NET, Python (Django) RESTful & WebSocket protocols, PostgreSQL, MongoDB, Supabase.
- **Cloud & Infrastructure:** **Google Cloud Platform (GCP)**, Vercel, Firebase, Docker, Linux System Administration.
- **Performance & Tools:** Git/GitHub, Railway, Unit Testing, Peer Code Reviews, Agile Methodologies.
- **Core Competencies:** SDLC, Data Protection (GDPR/HIPAA compliance awareness), Technical Documentation
- **Professional Attributes:** Leadership, Communication, Adaptability, Problem-Solving, Reliability, Initiative

## EDUCATION

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**Bachelor of Science in Computer Science**

**Sept 2022 – Nov 2025**

*(Second Class Upper Division)*

**Zetech University** | Technology Park Mang'u Campus, **Kiambu**

**Kenya Certificate of Secondary Education**

**Jan 2018 – March 2022**

**Chavakali High School, Vihiga**

## PROFESSIONAL EXPERIENCE | VOLUNTEER WORK

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**Freelance Software Developer** | **Remote**

**Jan 2024 – Present**

- Deployed **5 custom applications** using Agile methodologies to ensure rapid, high-quality iteration based on **client feedback**.
- Engineered secure backend systems featuring **encrypted authentication**, ensuring data integrity for API-driven platforms.
- Minimized post-launch issues by implementing **structured unit testing** and peer code reviews.

**IT Attachee**

**May 2025 – Sept 2025**

**Nakuru Level 5 Referral and Teaching Hospital** | **Nakuru**

- Managed **Electronic Health Records (EHRs)** in a 24/7 mission-critical environment, adhering to strict data protection regulations.
- Resolved complex network and software failures to ensure **zero downtime** for hospital operations

- Spearheaded **3 hackathons for 56 participants**, resulting in **10** functional software prototypes.
- Mediated technical and administrative challenges between faculty and students to maintain project timelines.

## PROJECTS

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### Django Content Platform | Python, Django

- Engineered a full-featured blogging system with secure user authentication for **over 20 concurrent users**, streamlining content workflows through the implementation of CRUD operations and efficient relational data handling via Django ORM. Reduced page load times by **15%** through database query optimization and ensured a **100% responsive user experience** across all device types using Django's templating engine and modern CSS frameworks. [View Project](#)

### Nafsi Booking Application | C#, .NET

- Engineered a high-concurrency booking engine using **C#/.NET Core** to manage complex scheduling and real-time availability tracking. Optimized **MS SQL Server** queries to ensure **100% transactional accuracy** for multi-user reservation workflows. [View Project](#)

### Full-Stack Ecommerce Platform | Java, React, Spring-Boot, Maven

- Architected a secure **RESTful API** to manage complex transactional logic and relational data mapping, ensuring 100% data integrity during high-stakes checkout processes. Optimized the system for concurrent user interactions and implemented a mobile-first, responsive frontend with **Tailwind CSS** to deliver a production-caliber user experience. [View Project](#)

## REFEREES

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Available upon request.