Nigel Mashayamombe

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Education

Harare Institute of Technology   *BTech (Hons) in Computer Science*

- **Relevant Coursework:** Data analytics, Artificial Intelligence, Cloud computing, Data Structures, Databases, Software Engineering Principles, Network Security, Web Application Development, Project Management,

Technical Skills

Programming Languages: PHP, Python, JavaScript, Typescript.

Libraries & Frameworks: Laravel, React, Vue, Next JS, Matplotlib, Bootstrap, Tailwind CSS, Fast API, Django, NumPy

Tools & Platforms: Git, Docker, GitHub, Figma, Vite, Excel, Tableu, PostgreSQL, MySQL, Postman, WordPress, Kubernetes

Projects

Point of Sale System | *Next.js, Strapi, JavaScript, Axios, React Hooks*   *July 2025 – Oct 2025*

- Developed a Point of Sale (POS) system with inventory and sales modules, tested in a small SME setup with 15+ demo users.
- Implemented modules for inventory management, sales tracking, and user authentication, reducing manual record-keeping during trials.
- Integrated REST APIs from Strapi for near real-time stock synchronization, reducing inventory discrepancies.
- Designed a Windows-compatible POS interface in Next.js + JavaScript, enabling transactions in seconds.
- Modularized the codebase and applied state management best practices, making future feature additions faster during iteration.

Event Management System | *PHP, Laravel, Blade, MySQL, Bootstrap*   *Aug 2024 - Sept 2025*

- Built a full-featured event platform with registration, payments, and notifications, supporting 20+ concurrent users during launch.
- Improved UX by streamlining the registration flow, which reduced incomplete signups compared to the original workflow.
- Implemented optimized database queries for real-time capacity tracking, lowering query response time.
- Added automated email notifications and payment integration, increasing successful payment completions

MyCleancity | *React, Laravel API, TypeScript, PostgreSQL*   *Aug 2024 – Feb 2025*

- Developed a comprehensive waste management platform using React, TypeScript, and Laravel, enabling 20 +citizens to report and track waste issues in their community within the first month of deployment.
- Implemented secure user authentication and authorization with Laravel Sanctum and RBAC, reducing unauthorized access attempts by 95% and ensuring safe role-based access for citizens, authorities, and administrators.
- Designed and integrated an interactive reporting system with geolocation, image uploads, and real -time updates, cutting average reporting time from 10 minutes to under 3 minutes.
- Built a community events module that attracted active users to create, join, and manage cleanup initiatives, boosting community engagement.

Experience

Olimem Enterprise Solutions   **July 2023 – August 2024**

Full-stack Software Developer, Intern   *Bulawayo*, ZW

- Developed Laravel-based web backend applications integrated with Sage Accounting and GIS, deploying services to the cloud for RDC and town council clients.
- Leveraged Docker for containerization and Git/GitHub for version control
- used Laravel's PHPUnit to achieve test coverage on core modules.
- Designed admin panels with Filament and built dynamic interfaces in Blade + React, enabling staff at local councils (20–50 users per system) to manage records more efficiently.
- Contributed to REST API development, enabling cross-system data sharing (finance ↔ GIS), and participated in Agile sprints, increasing team delivery speed.
- Automated deployments with Kubernetes and Docker, cutting application release time hours to under 30 minutes,

improving delivery reliability for council projects.

Certifications

GitHub Foundations
GitHub • 2025

Data Analytics essentials
Cisco • 2024