RUHUMBIKA MTUMBA JOHN

Graduate Software Engineer | Quality Assurance | Data & Business Intelligence

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PROFESSIONAL PROFILE

Final-year Bachelor of Science in Business Information Technology student with hands-on experience designing, developing, testing and documenting web, mobile and AI-enabled systems. Practical foundation in JavaScript, PHP, SQL and basic Python; Laravel, Node.js, Express.js, FastAPI and Flutter; PostgreSQL/MySQL; REST APIs; Git/GitHub; and Agile delivery. Experienced in manual functional and system testing, UAT support, API testing with Postman, data validation, troubleshooting and technical documentation. Strong proficiency in Power BI and data visualization, with an analytical, quality-focused approach to solving organisational problems.

CORE COMPETENCIES & TECHNICAL SKILLS

Programming: PHP, JavaScript, Dart, SQL, HTML, CSS, basic Python

Frameworks: Laravel, Node.js, Express.js, FastAPI, Flutter, Streamlit

Quality Assurance: Manual functional testing, system testing, UAT, test case design, regression checks, defect documentation and retesting

API & Data Testing: Postman, REST API testing, integration validation, data import validation, SQL queries

Data Visualization: Power BI, reporting dashboards, data visualization, data analysis, business intelligence

Databases: PostgreSQL, MySQL, SQLite, Microsoft SQL Server, database design

System Security & Cybersecurity: Role-based access control, secure API design, web-security assessment, security-header review, OSINT, password-security concepts and IT audit controls

Tools: Git, GitHub, Linux/Ubuntu, VS Code, XAMPP, Android Studio, Figma

Delivery: Agile/Scrum, sprint planning, user stories, SRS documentation, technical reporting, research

SELECTED SOFTWARE ENGINEERING & QUALITY EXPERIENCE

Kilindi Traders Digital License Management System (KDILMS) — 2025 - 2026

Full-Stack Developer, Final-Year Project | Laravel, PHP, MySQL, REST integrations

- Developed an end-to-end licensing platform covering trader records, licence issuance and renewal, debt tracking, SMS reminders, reporting dashboards and audit logs.
- Translated user and system requirements into role-based workflows, acceptance scenarios and production-ready features for a public-sector environment.
- Validated TAUSI data imports, permissions, calculations and core workflows; documented test results, investigated defects and retested corrections.
- Supported cloud deployment, DNS/SSL configuration, troubleshooting and release validation.

Student Support LLM Platform — 2026

Full-Stack Developer, Academic Project | Python, FastAPI, Streamlit, Ollama, RAG

- Built a locally hosted student-support assistant with a REST API, responsive interface and university FAQ knowledge base.
- Tested API responses and knowledge-grounded answer behaviour, added logging, and documented privacy, failure-handling and production-readiness improvements.

Mobile-First Rental Platform MVP — 2025 - 2026

Product Developer | Flutter, Node.js, Express.js, PostgreSQL

- Designed a role-based marketplace for tenants, landlords and administrators, including listings, search, contracts and notifications.
- Defined REST API and PostgreSQL data models, validated role permissions and workflows, and documented product and trust-and-safety requirements.

Employee ID Card Generation Portal — 2024

Web Developer | PHP, MySQL, QR code and PDF generation

- Created an authenticated portal for employee records, QR verification, print tracking and PDF output, with validation to reduce manual-record errors.

PRACTICAL EXPERIENCE

Ma Cargo Transporters and Forwarders (ABOOD Group of Companies) — Present

Full-Stack Developer | Technology / Software Development

- Currently developing and supporting full-stack digital solutions for Ma Cargo Transporters and Forwarders, part of the ABOOD Group of Companies.
- Contribute to the PETA Holdings ERP platform, supporting property, lease, revenue, unit-status and operational monitoring workflows.
- Work across frontend and backend feature delivery, database and API integration, production support and troubleshooting.

Kilindi District Council, ICT Unit | Field Practical Training **Jul - Nov 2024 & Jul - Nov 2025**

- Diagnosed user issues, installed and configured software, supported biometric devices, and tested fixes for computers, printers and office equipment.
- Supported asset labelling, digital records, data handling and routine network/device operations while communicating resolutions to staff.

ADDITIONAL PRODUCT EXPERIENCE

RJAY Barbershop Digital Booking & Brand Platform
2025 - 2026

Product Designer / Business Owner | Web booking, scheduling and service operations

- Designed and reviewed customer booking journeys, service categories, scheduling rules and administrator availability controls for a real small-business environment.
- Applied user feedback, responsive design and operational testing to improve usability and repeat business.

ACADEMIC QUALIFICATIONS

Bachelor of Science in Business Information Technology
Oct 2023 - Expected Jul 2026

University of Dar es Salaam, College of Information and Communication Technologies | GPA: 3.3 / 5.0

Relevant study: Software Engineering, Database Systems, Systems Analysis & Design, Artificial Intelligence, Business Intelligence, Cybersecurity, IT Audit & Controls, Project Management and Research Methods.

Advanced Certificate of Secondary Education
Bunda High School | EGM, Division I | 2021 - 2023

Certificate of Secondary Education
Iligamba Secondary School | Division I | 2020

PROFESSIONAL CERTIFICATIONS & TRAINING

NMB Nuru Yangu Scholarship Mentorship Programme (2026): Leadership, confidence, self-awareness, career planning and professional development.

National Service Training, JKT 822 KJ (Jun - Sep 2023): Discipline, teamwork, basic security and productive-work training; awarded Grade A for work competence and conduct.

LEADERSHIP & ENTREPRENEURSHIP

Founder / Operator, RJAY Digital Hub & RJAY Barbershop (2024 - Present): Customer service, staff coordination, budgeting, branding, digital marketing, technology adoption and continuous operational improvement.

PROFESSIONAL STRENGTHS

Analytical problem solving | Attention to detail | Communication | Teamwork | Research | Adaptability | Technical documentation | Customer service | Willingness to learn

ADDITIONAL INFORMATION

Languages: Swahili (Native), English (Fluent) | **Current status:** Full-Stack Developer at Ma Cargo Transporters and Forwarders (ABOOD Group of Companies) | **Availability:** Open to more advantageous software engineering, QA, cybersecurity, full-stack, AI and data opportunities

REFEREES

Jane Challe
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