

RYAN SHUMA

IT Professional | Full Stack Developer

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github.com/shumer61 • BBIT — Strathmore University (Graduating August 2026)

PROFESSIONAL SUMMARY

Digital solutions professional combining a Bachelor's in Business Information Technology (Strathmore University) with hands-on experience building and deploying digital tools for real organizations. Proven ability to translate non-technical needs into practical digital solutions from data collection systems for engineering firms to public-facing web applications. Passionate about using technology to expand access and opportunity for youth and small enterprises in the Kenyan context. Actively developing skills in AI integration, chatbot development, and full stack web development.

CORE COMPETENCIES

- Digital content development & simplification
- HTML, CSS, JavaScript — deployed web projects
- React, Node.js, MongoDB (full stack)
- AI tools, chatbot research & integration
- Google Workspace administration
- Data collection, monitoring & digital reporting
- Technical support & stakeholder communication
- English & Kiswahili — oral and written fluency
- AWS Cloud Foundations • Google Analytics

WORK EXPERIENCE

IT Intern

Rural Electrification & Renewable Energy Corporation (REREC)

Nairobi, Kenya

Feb 2024 – Apr 2024

- Supported IT operations across 5 government departments, ensuring seamless digital workflows and inter-departmental connectivity for 100+ staff
- Administered network infrastructure ; LAN maintenance, device configuration, and connectivity troubleshooting with zero escalations to external support during tenure
- Documented technical processes and user guides in clear language accessible to non-technical staff, directly informing best practice across departments
- Gained exposure to enterprise-scale information systems, internal standards compliance, and structured IT support procedures.

IT & Operations Administrator

Ricosam Engineering Ltd

Nairobi, Kenya

Jan 2022 – Jan 2023

- Designed and deployed a digital data collection system for the engineering firm, translating non-technical client requirements into a functional web-based solution — live at shumer61.github.io
- Administered Google Workspace for the organization — user management, access controls, Drive organization, and staff onboarding to digital tools
- Coordinated up to 20 on-call field workers using digital records and tracking tools, improving operational accuracy and accountability
- Produced weekly digital reports and operational documentation, developing strong habits in structured data recording and progress tracking
- Provided remote technical support via TeamViewer and handled hardware, network, and software troubleshooting across all company systems

Freelance Web Developer

Independent — Client Projects

Nairobi, Kenya

2023 – Present

- Built and deployed a professional portfolio website for Chef Veronica a client in the food industry designing for mobile responsiveness and public accessibility
- Currently developing full stack web applications using React, Node.js, and MongoDB, with a focus on solving real problems for Kenyan small businesses and entrepreneurs
- Actively integrating AI API tools into personal projects, exploring chatbot interfaces and intelligent digital assistants for low-literacy and youth-facing applications.

DIGITAL PROJECTS

Ricosam Data Collection System

A web-based form system built for Ricosam Engineering Ltd to digitize their data collection process. Solved the problem of paper-based site records that were difficult to track and report on.

<https://shumer61.github.io/Shumer61..github.io/>

Stack: HTML, CSS, JavaScript | Deployed: GitHub Pages

Chef Veronica Portfolio

A responsive public-facing portfolio website built for a professional chef. Designed for non-technical clients, mobile-friendly, and structured to communicate services clearly to potential customers.

<https://shumer61.github.io/Chef-Veronica/>

Stack: HTML, CSS, JavaScript | Deployed: GitHub Pages

EDUCATION

Bachelor of Science — Business Information Technology

2022 – Aug 2026 (Graduating)

Strathmore University, Nairobi

Coursework: Systems Development, Networking, Database Management, Digital Business, Project Management

Diploma — Business Information Technology

2018 – 2021

Strathmore University, Nairobi

CERTIFICATIONS

- AWS Cloud Foundations — Amazon Web Services, 2023
- Google Analytics Certification — Google, 2025
- Currently pursuing: Meta Front-End Developer Certificate
- Currently pursuing: MongoDB Developer Certification

LANGUAGES

- English — Excellent
- Kiswahili — Excellent
- French — A2 level