

JULIUS FRANCIS JUSTINE

SOFTWARE ENGINEER | MOBILE & WEB APPLICATIONS | SYSTEMS INTEGRATION

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PROFESSIONAL SUMMARY

Software Engineer, Technical Project Manager and Systems Integrator with 5+ years of experience delivering mobile and web applications, enterprise platforms and automation solutions across fuel, mining, depot, manufacturing and client-service environments. Hands-on with Laravel, NestJS, Node.js, Next.js, React, Vue.js, REST APIs and Socket.IO, plus mobile delivery, Docker-based deployment and Play Store publishing. Experienced in leading deployments, integrating ERP/POS, GPS, IoT, payment and TRA fiscal systems, training users and supporting reliable production operations.

TECHNICAL STACK

Backend & Real-time: Laravel, NestJS, Node.js, REST APIs, Socket.IO, modular architecture and multi-tenant SaaS.

Frontend & Full-stack: Next.js, React, Vue.js, Vite, responsive web interfaces and reporting dashboards.

Mobile & Publishing: Mobile application development, Android build and release workflows, app signing, versioning, testing, Google Play Console and Play Store publishing.

Data: MySQL, PostgreSQL and MongoDB; data synchronization and operational reporting.

Integrations: ERP/POS, TRA VFD/EFD, Teltonika GPS, IoT devices, Flutterwave, DPOPay, PayPal, Stripe and M-PESA.

DevOps & Environments: Docker containers, Docker Compose, WSL, Linux, Git, hosting, deployments, debugging, server setup and network security.

SELECTED ENGINEERING PROJECTS

Fuel Management System Deployments | Geita Gold Mining & Buckreef Gold Mining Company

- Led end-to-end planning, implementation, integration, commissioning, user training and production support for fuel-management operations.
- Connected operational workflows with forecourt automation, ERP/POS, IoT and TRA fiscal-compliance components.

Depot Flow Metering Solution | World Oil Terminal, Kurasini

- Deployed depot flow-metering capabilities to strengthen fuel measurement, accountability and reporting.

GPS Fleet Tracking & FMS Integration | Buckreef sites: Katoro, Lwamgasa & Geita

- Installed and configured Teltonika tracking systems and integrated GPS data with FMS workflows for fleet monitoring, fuel-consumption analysis and accountability.

Mobile Application Delivery & Android Publishing | Freelance / Client Projects

- Developed mobile application solutions and managed Android release preparation, testing, signing, versioning, Play Console configuration and Play Store publishing.

Multi-tenant Business Platforms & Integrations | Freelance / Client Projects

- Built Next.js interfaces and Laravel/NestJS services for SaaS, dashboards and ERP/POS workflows, using REST APIs, Socket.IO, Docker and third-party integrations.

PROFESSIONAL EXPERIENCE

MULTIPLEX SYSTEMS LIMITED | Dar es Salaam, Tanzania

Mar 2024 - Jan 2026

Project Manager & Technical Director / Systems Integrator

- Directed full-lifecycle FMS and automation deployments for mining and industrial clients, including Geita Gold Mining and Buckreef Gold Mining Company.
- Coordinated technical teams, client stakeholders, site installations, commissioning, training and post-deployment support across distributed locations.
- Integrated Teltonika GPS tracking, IoT devices, ERP/POS modules and TRA VFD/EPD workflows into unified operational processes.
- Supported Hectronic and Mechatronic forecourt ecosystems, depot metering, pumps, automatic tank gauges and controllers while maintaining operational stability.

FREELANCE | Tanzania / Remote

2022 - Present

Software Developer & Systems Support Specialist

- Develop mobile and web applications, business systems, reporting dashboards and multi-tenant SaaS platforms for client operations.
- Manage Android application release workflows and Google Play Store publishing, including testing, signing, versioning and store setup.
- Build Next.js interfaces and Laravel/NestJS services; integrate REST APIs, Socket.IO, ERP/POS platforms, TRA workflows and third-party business systems.
- Implement payment integrations including Flutterwave, DPOPay, PayPal, Stripe and M-PESA, with Docker containers, WSL/Linux environments, hosting and production support.

TOP EXPERT LIMITED | Tanzania

Apr 2023 - Nov 2024

Software Developer / Hosting & Support Engineer

- Supported the development, configuration and hosting of business systems for clients.
- Assisted with server administration, network-security practices, client onboarding, software updates, accounting-package training and ongoing user support.

TAN VETERINA LIMITED | Tanzania

Aug 2023 - Nov 2025

Software Developer / ERP Support & Training

- Supported ERP workflows for manufacturing and sales operations, including system configuration, hosting and performance improvements.
- Trained staff and provided continuous technical support for day-to-day ERP use.

PERGAMON GROUP LIMITED | Tanzania

Dec 2020 - Feb 2023

IT Support Engineer - TRA Supplier Office Support

- Installed and supported TRA fiscal devices including ETR, ESD, EFP, VFD and EFPP systems; diagnosed installation and operational issues through on-site and remote support.
- Supported banking-related device services, component installation and device updates.

EDUCATION

Bachelor's Degree in Computer Science | Institute of Finance Management (IFM), Dar es Salaam | Nov 2017 - Nov 2020

ADDITIONAL INFORMATION

Languages: Swahili and English.

Location: Kinondoni, Dar es Salaam, Tanzania.

References: Available on request.