

# Emmanuel Maneswa

## Software Engineer | Core Banking Integration Specialist | Full Stack Developer

Harare, Zimbabwe | +263 78 878 6951 | [hello@emmanuelmaneswa.dev](mailto:hello@emmanuelmaneswa.dev) | [linkedin.com/in/EmmanuelManeswa](https://linkedin.com/in/EmmanuelManeswa) | [emmanuelmaneswa.dev](https://emmanuelmaneswa.dev)

**Nationality:** Zimbabwean | **Languages:** English, Shona

---

### SUMMARY

Results-driven Full Stack Software Engineer and Core Banking Integration Specialist with 4+ years of experience architecting and delivering scalable, high-performance financial systems across banking and fintech. Proven expertise in designing event-driven microservices, automating payment processing pipelines (RTGS, SWIFT, PAPSS), and building unified remittance and compliance platforms integrating multi-MTA ecosystems with AML, regulatory reporting, and sanctions screening systems. Adept at leading full SDLC delivery in Agile environments, combining deep technical proficiency in Java, C#, Python, and TypeScript with strong domain knowledge in AML/KYC compliance, ISO 20022 messaging, and distributed financial architecture.

---

### SKILLS

**Languages:** Java (SE 17), C#, Python, JavaScript (ES6+), TypeScript, SQL, PHP, HTML5/CSS3, Rust, C/C++

**Frameworks:** Spring Boot, .NET Core, React, Next.js, React Native, FastAPI, Node.js/Express, ASP.NET Core

**Databases:** Oracle DB / PL/SQL, Microsoft SQL Server, PostgreSQL, MySQL, SAP ASE/Sybase, MongoDB, Redis

**Messaging & Events:** Apache Kafka, RabbitMQ, Event-Driven Architecture, CQRS/Event Sourcing, Message Queues

**Cloud & DevOps:** AWS, Docker, Kubernetes, GitLab CI/CD, GitHub Actions, Nginx, IIS, Linux Administration, Vercel

**API & Integration:** REST APIs, GraphQL, SOAP/WSDL, ISO 20022, ISO 8583, SFTP, Webhooks, SWIFT Messaging, iTurmeric/Olive Fabric

**Banking & Compliance:** SWIFT, RTGS/PAPSS, ZimSwitch/ZEEPAY, IceCash, goAML (FIU), LexisNexis/World-Check, Kiya AML, ZIMRA TaRMS, CRB, Core Banking Systems (Intellect Design, Ethix), ERP Dynamics 365, AML/KYC/PCI-DSS, RBZ Regulatory Reporting, MTA Remittances (Western Union, Mukuru, Remitly, MoneyGram, World Remit, Mama Money)

**AI & ML:** LLMs, Agentic AI/MCP, LangChain, NLP, Prompt Engineering, Hugging Face, n8n Workflow Automation

**Project Management:** Jira, Trello, Asana, Confluence, Agile Scrum/Kanban

**Soft Skills:** Stakeholder Communication, Critical Thinking, Problem Solving, Adaptability, Team Leadership

---

### WORK EXPERIENCE

#### System Integration Engineer

*Intellect Design Arena Ltd | Chennai, India | February 2026 – Present*

- Design and deliver RESTful APIs and middleware components powering core banking integration workflows for enterprise banking clients globally.
- Implement complex, multi-system integration flows using Java, Spring Boot, and microservices architecture to ensure resilient, scalable transaction processing.
- Optimise data persistence layers using Oracle DB with advanced PL/SQL stored procedures, improving query efficiency and system reliability.

- Architect asynchronous message-driven flows using RabbitMQ and Apache Kafka, enabling event-driven, fault-tolerant financial processing.
- Engineer SFTP-based file exchange integrations for regulatory reporting pipelines and partner data exchange systems.

*Technologies: Java, Spring Boot, Oracle DB, PL/SQL, RabbitMQ, Kafka, REST, SOAP, SFTP, Docker, iTumeric/Olive Fabric*

## **Systems Developer**

*People's Own Savings Bank (POSB) | Harare, Zimbabwe | September 2022 – Present*

- Architected a Unified MTA Remittance Platform integrating 8+ MTAs (Western Union, Muku, Remitly, Mama Money, POSB Remit, Mastercard Cross-Border, World Remit, MoneyGram) into a single operator interface, eliminating multi-platform teller logins and double capturing.
- Automated CBS double-entry accounting on every MTA transaction and built RBZ regulatory reporting pipelines via REST API for full central bank compliance.
- Implemented Oracle DB ingestion into the Kiya AML system with database triggers feeding AML rule-engine process flows.
- Built the event-driven remittance backbone using Apache Kafka for transaction streaming and RabbitMQ for downstream message processing and MTA API orchestration.
- Engineered and led the end-to-end ZIMRA TaRMS integration, connecting banking APIs to the national tax authority's platform and driving a 40% increase in corporate client retention.
- Automated high-value RTGS payment processing using C#/.NET within an event-driven architecture, eliminating 70% of manual errors and increasing processing throughput speed by 70%.
- Built inter-bank transaction solutions via ZimSwitch/ZEEPAY using Java, Spring Boot, Redis, and MSSQL, enabling seamless, real-time fund transfers across financial institutions.
- Spearheaded end-to-end development of a Treasury, Wealth and Investment Management Platform, launching a new digital revenue stream with full goAML (FIU) and Credit Reference Bureau (CRB) compliance integration.
- Designed the Enterprise ERP (Dynamics 365) Integration Hub, unifying 6+ siloed enterprise systems including Core Banking, Payroll, Payment Gateways, and Government Procurement, eliminating manual reconciliation and enabling full process automation.
- Integrated goAML AML/CFT reporting pipelines and LexisNexis Bridger sanctions screening to achieve full regulatory compliance with FIU standards.
- Delivered IceCash ZINARA vehicle licensing integration, embedding government service payments directly within the bank's digital ecosystem.
- Established robust CI/CD pipelines using GitLab and Docker, reducing deployment times by 50% and improving release frequency and reliability.
- Managed full SDLC delivery across concurrent projects covering requirements gathering, system design, QA, technical documentation, and post-deployment support.

*Technologies: C#, .NET Core, Java, Spring Boot, Python, JavaScript, React, Redis, MSSQL, SAP ASE, Oracle DB, PL/SQL, Docker, RabbitMQ, Swift Alliance, GitLab CI/CD, iTumeric/Olive Fabric*

## **ICT Administrator & Web Developer**

*Document Support Centre (DSC) | Harare, Zimbabwe | November 2020 – January 2022*

- Led full lifecycle development of 3 production-grade internal systems (Vending Hub, Vending Logistics) using JavaScript, PHP, and MySQL, reducing bug-related downtime by 40%.
- Automated key operational workflows and reporting processes using Python, saving over 20 hours of manual work per month and improving team productivity.

- Directed fiscal device operations and established standardised maintenance protocols across 10+ operational sites, improving system uptime and reliability.
- Implemented security hardening measures that reduced system vulnerabilities by 65%, safeguarding business-critical data.

*Technologies: JavaScript, PHP, MySQL, Python, Linux, cPanel, WordPress*

### **Freelance Software Engineer**

*Self-Employed | Remote | July 2020 – November 2020*

- Built and optimised a Python NLP text classifier for sentiment analysis, applying machine learning techniques to real-world client data pipelines.
- Conducted comprehensive security audits of e-commerce platforms, identifying and remediating vulnerabilities to improve platform security and usability.

*Technologies: Python, NLP, scikit-learn, PHP, MySQL*

### **Software Developer Intern**

*TRNC Telecommunications Department | Turkish Republic of Northern Cyprus | July 2019 – September 2019*

- Optimised and maintained internal government telecommunications systems in PHP and JavaScript, improving system stability and performance.
- Collaborated on scalable software solution design and bug-resolution initiatives within a cross-functional engineering team.

*Technologies: PHP, JavaScript, SQL*

---

## **EDUCATION**

### **Bachelor of Science in Software Engineering**

*European University of Lefke | Turkish Republic of Northern Cyprus | February 2016 – June 2020*

SAQA Evaluation: Confirmed equivalent to a Bachelor of Information Technology in Software Development (NQF Level 7, 360 Credits) within the South African National Qualifications Framework.

---

## **CERTIFICATIONS**

### **Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate**

*Oracle | November 2025*