

# MELVIN ODHIAMBO

Software Engineer  
Distributed Systems & Identity

## CONTACT

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## TECHNICAL SKILLS

- C# / .NET Core
- EF Core
- GraphQL
- REST APIs
- OIDC / OAuth 2.0
- SignalR
- RabbitMQ
- React
- Vue.js / Laravel
- Docker
- SQL Server / MySQL
- Git
- Template Engines

## EDUCATION

### BSc. Computer Science

Catholic University of  
Eastern Africa

Apr 2017 – Sep 2021

Second Class Honors,  
Upper Division

Google Developer  
Student Club

## PROJECTS

### Rental Management System

Laravel / MySQL app for  
property & tenant mgmt,  
lease tracking, and  
automated rent reminders.

[kejatek.com](http://kejatek.com)

## PROFILE

Software Engineer with 6+ years of experience designing and operating mission-critical financial systems in C#/.NET Core. I build and maintain multi-tenant core banking platforms and integration gateways serving microfinance institutions across East Africa, with deep hands-on expertise in distributed messaging, identity infrastructure, and high-availability service delivery.

## EXPERIENCE

### Software Engineer May 2020 – Present

Centrino Technologies Ltd · Nairobi, Kenya

- Design and maintain scalable backend services powering a **multi-tenant core banking platform** used by microfinance institutions and SACCOs, ensuring high availability and data integrity for mission-critical financial operations.
- Led the migration of a legacy monolith to a **microservice architecture**, owning end-to-end design for authentication, authorization, auditing, and logging across distributed services.
- Engineered a **high-throughput message processing pipeline** using RabbitMQ to queue and reliably distribute thousands of tasks to background workers, improving system resilience and processing capacity.
- Built a **custom identity and authentication server** from scratch implementing OIDC-based flows, API key generation and rotation, secrets management, and password lifecycle policies including history enforcement and automatic expiration.
- Own the **third-party integration gateway** for onboarding external financial institutions — including cross-border banks in markets such as Ethiopia — enabling secure data exchange, transformation, and reliable delivery across heterogeneous systems.
- Architected an **internal administration dashboard** for multi-tenant configuration management, handling tenant-specific database connection strings, email and SMS notification templates, and per-tenant settings.
- Developed **GraphQL APIs** and React-based interfaces that transform raw integration data into actionable visual analytics for business decision-making.
- Delivered an **SLA-driven support portal** using Laravel and Vue.js that streamlined issue resolution workflows between clients and support agents with defined response timelines.

### Junior Assistant Jan 2021 – Apr 2021

Huduma Centre · Nairobi, Kenya

- Maintained the SBA (Service by Appointment) system used by citizens accessing government services and facilitated end-user training.
- Performed biometric registration for customers requiring National ID card replacements.

### Full-Stack Developer Jan 2019 – Dec 2020

Upwork · Freelancing

- Delivered web applications for clients end-to-end, handling architecture, implementation, and deployment across multiple concurrent projects.
- Provided architectural design guidance and led debugging and performance resolution across diverse client codebases.