

PAUL N. THOMAS

Full-Stack Software Engineer

Specializing in Cross-Platform Web, Mobile & Desktop Applications

SEPT 2025

LOCATION

Dar es Salaam, Tanzania.

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Portfolio: <https://github.com/Clavius4/>

PROFESSIONAL SUMMARY

Innovative and versatile Full-Stack Software Engineer with extensive experience building end-to-end solutions across web, mobile, and desktop platforms. Proven expertise in modern frameworks including Vue.js, Quasar, Spring Boot, and Django, with a strong focus on scalable, high-performance applications. Passionate about integrating AI and machine learning into practical solutions. Equally skilled in front-end development with Flutter and React Native, back-end engineering, and DevSecOps practices using Docker, Kubernetes, and CI/CD pipelines.

TECHNICAL PORTFOLIO

Mobile Applications (Published)

Swahilies – Layaway Shopping Platform for Tanzania | *MAR 2023 - Present*

Android:

<https://play.google.com/store/apps/details?id=com.swahilies.swahilies>

iOS:

<https://apps.apple.com/us/app/swahilies/id1552941234>

Pesa Hakika

(Microfinance App) –

Modern Microfinance for Tanzania | *JUN 2022 - AUG 2023*

Android:

<https://play.google.com/store/apps/details?id=tz.com.mwangahakikabank.mhbapp>

Kamata Pesa

(Microfinance App)–

Quick Micro-Lending Application | *JAN 2024 - MARCH 2024*

Android:

<https://play.google.com/store/apps/details?id=com.pesa.chap.kmamata>

Pesa Yako

(Microfinance App –

Managing Personal and Small business Finances | *NOV 2022 - FEB 2023*

Android:

<https://play.google.com/store/apps/details?id=com.wako.tza.pesa>

ShuleSoft – Experience your child's Education at your fingertip | **AUG 2022 - DEC 2022**

Android:

<https://play.google.com/store/apps/details?id=africa.shulesoft.parentexperience>

iOS: <https://apps.apple.com/tz/app/shulesoft/id1483638888>

Web Applications

Korlake Restaurant – Meal Restaurant | **MAR 2022 - JUL 2022**

URL: <https://korlake-restaurant.com/>

FIMA Loans – Cloud Core-Banking SaaS | **JUN 2023 - OCT 2023**

URL: <https://fimaloans.com>

NHC Tanzania – Digital Tenancy Portal | **FEB 2024 - MAY 2024**

URL: <https://nhc.co.tz>

NGT – Fitness Platform | **SEP 2023 - DEC 2023**

URL: <https://naturalgymtraining.com/>

CryptoDash – Cryptocurrency Data | **NOV 2022 - JAN 2023**

URL: <https://crypto-dash-two.vercel.app/>

Desktop Applications

POS365 – Modern Point-of-Sale for Retail | **FEB 2023 - JUN 2023**

Microsoft Store:

<https://apps.microsoft.com/detail/9n6k62k7b9sw>

Loyverse POS – Free POS for Small Businesses | **AUG 2022 - DEC 2022**

macOS App Store:

<https://apps.apple.com/us/app/loyverse-pos-point-of-sale/id1070865387>

Moon POS – All-in-One POS System | **NOV 2023 - MAR 2024**

Microsoft Store:

<https://apps.microsoft.com/detail/9pfsjc99npkl>

PROFESSIONAL EXPERIENCE

HUAWEI TECHNOLOGIES (Tanzania) – Partner Sales Engineer (PSE) Intern-Channel Manager | Enterprise Business Group | MAY 2025 – DEC

- Supported the onboarding and enablement of new Huawei partners in Tanzania's enterprise ecosystem, facilitating partner registrations and business alignment.
- Conducted partner needs analysis and technical solution presentations across multiple domains including Datacom (Networking), Storage, Intelligent Collaboration (IdeaHub), and Optical Networks.
- Assisted in partner opportunity development and Deal Registration (DR), ensuring compliance with Huawei's eChannel processes to secure pricing advantages and SPIF incentives.
- Participated in strategic partner reviews and QBRs, contributing to relationship management and resolution of partnership tier escalations.

e-GA (e-Government Authority) – Software Development Intern | MAR 2023 - MAY 2025

- Assisted in developing components for government digital service platforms
- Participated in code reviews and learned enterprise development practices
- Gained experience with large-scale system architecture
- Participated in many potential development and system administration projects.

Jiji Tanzania – Remote Software Developer | MAR 2024 – DEC 2024

- Contributed to Tanzania's largest C2C marketplace with 600,000+ active listings
- Developed features using Laravel microservices and Vue.js frontend
- Optimized database performance and implemented real-time notification systems

Settlo – Remote Backend Developer | JAN 2024 - FEB 2025

- Built secure escrow payment system for high-value transactions platform
- Implemented real-time transaction tracking and notification features
- Developed security protocols for financial data protection

ClickPesa – Remote Full-Stack Developer | SEP 2023 - JUN 2024

- Developed B2B micro-retailer portal powered by ClickPesa payment APIs
- Implemented wholesale-pricing & inventory modules with instant ClickPesa checkout
- Integrated ClickPesa gateway for TZS/USD collections, auto-reconciliation & delivery-tracking webhooks

ZenoPay – Remote Mobile Developer | JUN 2023 - AUG 2023

- Contributed to digital invoice and payment gateway application
- Developed real-time payment tracking and invoice management features
- Worked on both Android and iOS versions of the fintech application

Bellinks Finance Tabora – Software Developer | FEB 2023 - MAY 2023

- Developed internal banking and loan management software systems
- Implemented secure transaction processing and user authentication
- Designed database architecture for financial data management

Conture Education Networking Initiative (CENI) – Software Developer | NOV 2022 - JAN 2023

- Built comprehensive school management system with result processing
- Developed job vacancy advertising and teacher transfer modules
- Created course marketplace with payment integration

Ravens Consulting – Field Student (Software Development) | JULY 2023 - FEB 2024

- Participated in client project requirements gathering and analysis
- Developed basic application modules under senior developer supervision
- Learned professional software development workflows
- Developed two cross-platform mobile board games and published them in both google playstore and app store as well i.e Four-in-a-row game and 10x10 TicTacToe game

TECHNICAL SKILLS

Programming Languages:

JavaScript/TypeScript, Java, Kotlin, PHP, Python, Dart, Objective-C, Swift, Ruby, Go, C#

Front-End: Vue.js, React, Quasar Framework, Flutter, React Native, AngularJS, Bootstrap, Tailwind CSS

Back-End: Spring Boot, Django, Node.js (NestJS), Laravel, Express.js

Databases: PostgreSQL, MySQL, MongoDB, SQLite, OracleDB, MS SQL Server, Neo4j

DevOps & Cloud: Docker, Kubernetes, CI/CD (Jenkins), Git, AWS, Google Cloud Platform, Firebase, MS Azure

AI/ML: Data Analysis, Model Integration, Big Data Analytics, Data Science

Tools: VS Code, JetBrains IDEs, Android Studio, XCode, Figma, Adobe Suite

Operating Systems: Linux (RedHat & Debian), Windows, macOS, ChromeOS, Solaris, OpenEuler

EDUCATION

The University of Dodoma (UDOM) – *Dodoma, Tanzania*

Bachelor of Science in Software Engineering | *OCT 2021 - JULY 2025*

Sengerema High School – *Sengerema, Mwanza*

High School Education, Physics, Chemistry and Mathematics | *MAY 2021*

St. Mary's Seminary – *Mwanza*

Secondary Education | *NOVEMBER 2018*

LANGUAGES

English (Fluent), Swahili (Fluent), French (Basic), Chinese(Basic)