

HERMAN BARNABAS KAPANGE

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Web: [GitHub](#) | [LinkedIn](#)

Location: Dar es Salaam, Tanzania | **Nationality:** Tanzanian

PROFESSIONAL SUMMARY

Full Stack Developer and Technology Leader with 4+ years of experience designing and implementing scalable software solutions. Proven track record of enhancing project efficiency, reducing costs, and driving digital transformation. Skilled in leading development teams and delivering high-quality web and mobile applications following Agile methodologies.

PROFESSIONAL EXPERIENCE

Senior Software Developer - Consultant

Finsys Tech Solutions | February 2025 - Present

- Deliver full-stack development solutions using Angular, Django and PostgreSQL while managing junior developers and ensuring quality standards.
- Coordinate between local and offshore development teams to maintain consistent development practices
- Implement and enforce Agile methodologies, reducing project delivery time by 25%
- Identify and secure new business opportunities, contributing to 15% revenue growth
- Develop end-to-end solutions utilizing cloud platforms (AWS) and DevOps practices .

Founder & Technical Director

Handisi Digital Solutions Limited | October 2024 - Present

Leading a Tanzanian startup pioneering digital transformation across multiple sectors with focus on agriculture

- Lead a 3-person development team building cross-platform solutions using React Native, Next.js, Node.js, and PostgreSQL
- Implemented Agile project management frameworks, increasing team productivity by 30%
- Designed scalable architecture patterns enabling rapid client onboarding with 40% less development time
- Secured 3 major clients within first quarter of operations, establishing market presence in agricultural sector

Head of Department - ICT

Lycus Technologies Incorporated | May 2024 - September 2024

- Enhanced project delivery efficiency by 20% through optimized workflows and resource allocation
- Developed and implemented company-wide ICT strategy and roadmaps aligned with business objectives
- Managed and mentored software development team, improving team performance metrics
- Optimized ICT budget management, reducing operational costs by 10%

Full-stack Software Developer

Lycus Technologies Incorporated | April 2024

- Accelerated application deployment time by 30% through efficient code practices and CI/CD integration
- Developed responsive web and mobile applications using React, Flutter, Laravel, MySQL, and Firebase

Full-stack Software Developer

Afrocentec Zambia | January 2023 - December 2023

- Increased application performance by 25% through code optimization and database query improvements
- Developed and maintained web and mobile applications using React, React Native, Elixir, and Node.js
- Designed and implemented optimized database solutions with PostgreSQL and MongoDB
- Collaborated with cross-functional teams to define requirements and deliver solutions

Backend Developer Intern

Afrocentec Zambia | June 2022 - December 2022

- Contributed to 15% reduction in bug occurrences through comprehensive testing and quality assurance
- Developed robust APIs using Node.js, MySQL, and MongoDB

EDUCATION

- **Bachelor of Science (Hons) in Computing** | University of Greenwich | 2023
- **Level 5 Advanced Diploma in Computing** | NCC Education | 2022
- **Level 4 Diploma in Computing** | NCC Education | 2021
- **Level 3 Diploma in Computing** | NCC Education | 2020

TECHNICAL SKILLS

- **Languages:** JavaScript, TypeScript, PHP, Elixir, Python, Java, C#
- **Frontend:** React.js, Next.js, Angular, HTML5, CSS3, Tailwind CSS
- **Mobile:** React Native, Flutter, Android Native (Java), .NET MAUI
- **Backend:** Node.js (Express), PHP (Laravel), Elixir (Phoenix)
- **Databases:** PostgreSQL, MySQL, MariaDB, MongoDB, SQLite
- **DevOps:** Git, Docker, AWS, Gitlab CI/CD
- **Project Management:** Agile, Scrum, Github Projects

KEY PROJECTS

National Construction Council (NCC) Automated Web App

- Participated in development and maintenance of the NCC Automation web app
- **Technologies:** Angular, Springboot, PostgreSQL
- **Impact:** Automated resource/costing libraries and business processes for road construction in Tanzania.

Zambia Commodity Exchange (ZAMACE) Integrated Digital Platform

- Led development of platform facilitating agricultural commodity trading
- **Technologies:** React, Elixir, PostgreSQL
- **Impact:** Increased transaction volume by 40%, onboarded 500+ stakeholders in first month

Digital SACCOS Project (DSP)

- Developed financial management solution for local communities
- **Technologies:** React, Flutter, Firebase
- **Impact:** Reduced transaction processing time by 65%, serving 15+ community groups

REFERENCES

Mike Daka - Technical Officer, Documentation and Information, SADC SPGRC, Zambia

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Gift Robert - Senior Digital Maintenance IT Manager, JCDecaux Tanzania Limited

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