

Hassan Juma Mpuruti

Personal Information

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Profile

A Full-Stack Developer with over 10 years of progressive experience in software development and Application Security. Proficient in designing, coding, testing, securing and maintaining innovative software solutions for diverse industries such as Banking, Advertising, Communication, Education, and Fisheries. Skilled in Python, PHP, JavaScript, and Java. Possess a strong foundation in Information Technology with a B.Sc. degree. A proactive communicator with a keen eye on emerging technology trends. Ready to leverage my expertise to drive success for your organization.

Work Experience

Systems Security Specialist: Applications NMB Bank Plc

📅 07/2023 – present 📍 DAR ES SALAAM, TANZANIA

As an application security specialist at NMB, my responsibilities include:

- Provide security assurance of all applications implemented by validating the implementation of security designs, conducting manual code reviews and security assessments
- Train developers in the best security practices and secure coding practices.

I was also able to use my software development experience by building a security monitoring platform for the Bank that monitors all systems and applications and detects, alerts, and reports any suspicious activities. Some of them includes applications and server login attempts, bank transactions, Rogue access points, and various network activities.

Full stack developer StaxoGroup

📅 08/2021 – 07/2023 📍 LONDON, UNITED KINGDOM

As a Full Stack Developer at StaxoGroup, my responsibilities include:

- Develop responsive web applications using Laravel and React for different companies across the UK and Europe
- Work with cross-functional teams to deliver high-quality software products and resolve issues promptly.
- Conduct code reviews and mentor junior developers to improve code quality and best practices.
- Work with Agile methodologies to plan and execute software development projects.
- Play a significant role in establishing operational processes for a fast-growing distributed cloud platform.

Full stack developer Freelance (LVFO,FAO, MLF & LTA)

📅 06/2018 – 06/2021

📍 HYBRID REMOTE, TANZANIA, UGANDA, KENYA, BURUNDI, DR CONGO & ZAMBIA

As a Freelance Developer, I worked with LVFO (Lake Victoria Fisheries Organization), FAO (Food and Agriculture Organization of the United Nations), MLF (Ministry of Livestock and Fisheries) and LTA (Lake Tanganyika Authority) on a 3-year project to modernize the Fisheries sector in East Africa. My contributions include:

- Performed analysis of existing data collection processes to identify areas of improvement and create a system implementation plan.
- Created a proof of concept (PoC) and led the team in implementing and rolling out the project plan.
- Successfully developed a modern and highly customized Fisheries platform for East African

Work Experience

Countries. It is currently used by all levels of fisheries departments for data collection and reporting in Tanzania, Kenya, Uganda, Burundi, DR Congo and Zambia. Used for Lake Victoria, Lake Tanganyika, Lake Albert, and the Indian Ocean.

Full stack developer Tusiime Holdings Ltd

📅 01/2013 – 05/2018 📍 DAR ES SALAAM, TANZANIA

At Tusiime Holdings Ltd, my responsibilities included:

- Developing software architecture that meets the company's requirements, ensuring scalability, maintainability, and robustness
- Managing project timelines, setting deadlines, and monitoring the team's progress
- Collaborating with stakeholders, including product owners, project managers, and other teams to ensure software meets the company's requirements and objectives

Key achievements:

- Designing and developing the school website
- Creating school online branding
- Built a School Management System with modules such as Registration, Library, ID Cards, SMS & email Communications, Stock Management, producing students' performance reports, Income, Expenditure & Sales reports.

Junior Web Developer AimGroup (T) Ltd

📅 01/2012 – 01/2013 📍 DAR ES SALAAM, TANZANIA

As a Junior Developer at AimGroup, my tasks included:

- Develop web applications and websites.
- Transform UI/UX design from Illustrator into working websites and web applications.
- Perform website maintenance and Content Management.
- Develop Facebook Games and Facebook applications.
- Develop HTML Emails, Surveys, and online survey tracking systems.

Skills

📍 PROGRAMMING LANGUAGES & FRAMEWORKS

PHP	JavaScript	Python
Dart	HTML	CSS
Swift	Kotlin	Java

📍 FRAMEWORKS

Laravel	Reactjs	Vuejs
Flutter	Django	Bootstrap
Tailwind	jQuery	Node.js

📍 CLOUD PLATFORMS & CONTAINERIZATION

Amazon Web Services (AWS)	Google Cloud Platform (GCP)	Digital Ocean
Docker	Kubernetes	

📍 OPERATING SYSTEMS

Linux	Windows	MacOS
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📍 OTHER TOOLS AND TECHNOLOGIES

Git	RESTful APIs
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Sample Projects

Bankzy

Staxo Group

<https://bankzy.co.uk>

Online payment platform using Open Banking standards to enable businesses to accept bank-to-bank payments from their customers, at a fraction of traditional card payment processing costs

The Travel Mum

STAXO Group

<https://thetravelmum.com/>

An online platform used to build custom holiday deals. Users specify their holiday preferences and the platform searches for good deal flights and hotels for them. The platform has over 10,000 users across UK and Europe, about 30% on paid subscriptions and over 20,000 delivered daily.

M-park

Staxo Group

<https://m-park.co.uk/>

UK-based app for Fleet Managers to manage driver's time, control parking expenditure, streamline business expenses, audit vehicle compliance, and more
You can watch the demo video here: <https://www.youtube.com/watch?v=TVMu0OXv6oM>

Nexus CRM

Staxo Group

<https://learnplaynexus.com/>

A full-blown CRM for Learn Play Nexus – a UK-based company that designs and supplies high-quality educational equipment and toys, coming up with novel ways to help deliver the national curriculum focusing on innovation for education

Fisheries Platform

Freelance (FAO, LVO, MLF, LTA)

<https://hassanmpuruti.dev/portfolios/east-africa/>

This is a Regional project under LVFO, FAO, and Fisheries Ministry and departments of Tanzania, Kenya & Uganda. It's a data collection and reporting platform that helps the government with statistical data about fishers for the Indian Ocean, Lake Tanganyika, Lake Victoria, and Lake Albert.

School management Platform (CLEARN)

Tusiime Holdings Ltd

<https://hassanmpuruti.dev/portfolios/clearn>

Advanced School Information management system. CLEARN enables school staff to manage their day-to-day activities from Finance information, Student Examinations and results, Transportation, Attendance Library, and more

Education

Computer Science | Bsc. Information Technology

Institute of Finance Management

 11/2008 – 06/2012  DAR ES SALAAM, TANZANIA

Languages

LANGUAGES

English

Full

Swahili

Native