

DANIEL NYERE GACWE

Software Engineer



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Kenya.

PRO FILE

I'm a dedicated software engineer with a track record in complex problem-solving through innovative thinking and technical skills. My expertise spans IT support, software development, and Fiorano integration. With over five years in the field, I specialize in Java, Angular, React, and React Native for web and mobile solutions. My adaptability to new tech and frameworks is exceptional. As a Full-Stack Engineer at E&M Technology House, I create top-quality systems, leveraging Docker, Kubernetes, Jenkins, and CI/CD for seamless deployment. I'm committed to efficiency, pushing software engineering boundaries, and elevating user experiences.

SKILLS

Professional:

LANGUAGES	FRAMEWORKS	TOOLS	DATABASES	DEVOPS
- JavaScript - HTML/HTML5 - CSS/CSS3 - SCSS - Java - Typescript	- React-Native - React JS - Angular - Laravel - Springboot	- Git - Linux - Fiorano - Apache	- MySQL - MongoDB - Oracle - PostgreSQL	- Docker - Kubernetes - Jenkins - CI/CD - AWS

Personal:

Communication, Leadership, Organization

EXPERIENCE

Jan 2022 - Present

E&M Technology
House Limited

Full Stack Software Engineer

Skills: Full Stack Development, Angular, ReactJs, Springboot, Mysql, Fiorano

Jan 2019 - Present

Fiverr

Software Engineer

Skills: Full Stack Development, Angular, ReactJs, Springboot, Laravel, Mysql, MongoDB

Mar- Jun 2021

Kenya Medical
Training College

Engineer attaché

Learnt: Angular, React Js, Databases, Network Design

Apr - Jul 2019

Ministry of Public
Works

Engineer attaché

Learnt: Cisco Systems Products, AutoCAD for Engineers

May- Aug 2018

Kengen

Engineer attaché

Learnt: Computer-Aided Design, Electronic Control Systems

EDUCATION

2016 to 2021:

Jomo Kenyatta
University Of
Agriculture and
Technology
(JKUAT)

Tertiary Education

Bachelor of Science Electronic and Computer Engineering
Graduated on 28th June 2022

Final Year Project:

Advanced Barbershop Real-Time Customer Tracking System

- **IoT Integration:** Integrated IoT circuitry to accurately count and monitor the number of customers within the barbershop at any given time, improving operational efficiency.
- **Seamless Connectivity:** Synchronized the system with web and Android applications, ensuring real-time data access for both customers and barbers.
- **User Registration:** Implemented user registration functionalities, catering to both clients and barbers, enhancing engagement and data management.
- **Personalization:** Enabled clients to select their preferred barbers through the system, fostering a personalized experience. Additionally, clients could book their barber sessions in advance, improving convenience.
- **M-pesa Prepayment:** Introduced M-pesa prepayment functionality, allowing clients to make advance payments for services, simplifying transactions and financial flexibility.

2012-2015

Machakos School,
Machakos

Secondary School Education

Mean grade: A- (74 points)

2006-2011:
Danjose Education
Center, Kiambu

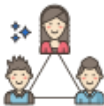
Primary School Education

Attained 406 marks

INTERESTS



Coding



Socializing



Reading



Listening To Podcasts

CERTIFICATIONS

Fiorano®

Fiorano Certified Professional

RECENT PROJECTS

Project Name	Platforms	Client	Responsibilities
1. Final Year Project: Barbershop/salon reservation system with a real-time update of the number of customers (Aug 2021 – Dec 2021)	Frontend – HTML, CSS and JS Backend - Laravel	Final Year Project	For my 5th-year project, I created a real-time customer tracking system for a barbershop. This involved circuitry to count customers, synced with web and Android apps. Clients and barbers register, and clients can choose preferred barbers. The system provides optimal visit times based on the queue length and offers M-pesa prepayment for services.
2. Human Resource &Payroll Solution (Jan 2022 – Feb 2022)	Frontend - Angular, Backend – Springboot Microservice, Reports - Jasper Reports Database - MySQL	Post bank – Uganda	Automates the overall HR process integrated with Payroll and payment gateways
3. Microfinance Solution Mar 2022 – May 2022	Frontend - Angular, Backend – Springboot Microservice, Reports - Jasper Reports Database - MySQL	Northwest Ventures, FortuneCredit Cooperative – Kenya	Micro-Finacle solution that provides a solution to finance, customer management, reporting and statement to the micro-finance
4. Centralized AccountOpening (Jun 2022 – Aug 2022)	Frontend - React Native, Backend – Springboot Microservice, Reports - Jasper Reports Database - MySQL	Post bank- Uganda, Victoria Commercial Bank – Kenya	Implement a Centralized account opening solution, that operate a service application for creating customer information file(CIF) and creating the account using CIF
5. Customer Engagementand Correspondence Solution (Sept 2022 – Oct 2022)	Frontend - Angular, Backend – Springboot Microservice, Reports - Jasper Reports Database - MySQL	ABC Bank –Kenya	Implement a solution for the bank to facilitate the Customer engagement and correspondence
6. Fixed Assets Management Solution (Nov 2022 – Dec 2022)	Frontend - React JS, Backend – Springboot Microservice, Reports - Jasper Reports Database - MySQL	Makueni County – Kenya, Nyeri County – Kenya	Design and implement a solution for managing the assets for the entire county.
7. Uganda Revenue Authority Integration-System to system solution (In Kampala, Uganda) (Jan 2023 – Mar 2023)	Frontend - Angular, Backend – Springboot Microservice, Reports - Jasper Reports Database – MySQL Fiorano - ESB	Post bank – Uganda	Implement a solution for URA integration with the Bank's Tax, that is: help the bank to automate the process of invoice issuance and file the returns. Involved integration with Finacle, which uses Oracle Database.
8. Still in Kampala (Postbank Uganda) for the deployment of Uganda Revenue Authority Integration-System to system solution (Apr 2023 – Jun 2023)			
9. Enterprise Resource Planning (Jul 2023 – Present)	Frontend - Angular, Backend – Springboot Microservice, Reports - Jasper Reports Database – MySQL Fiorano - ESB	Kingdom bank – Kenya	Comprehensive business management system that integrates various processes and functions within the bank. It streamlines and automates core business operations such as finance, human resources, procurement, inventory, sales, and customer relationship management.