

ESTHER KATHINI

BUILDING SOLUTIONS | SOLVING PROBLEMS | CREATING IMPACT

SOFTWARE DEVELOPER

Nairobi, Kenya

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PROFESSIONAL PROFILE

Dedicated and detail-oriented Software Developer with practical experience in full-stack web development, frontend development, backend development, database management, API integration, mobile application development, automation, and application deployment.

Experienced in designing and developing complete software solutions from requirements and interface design through database integration, authentication, testing, deployment, **SEO optimization**, and maintenance. Strong hands-on experience with **Laravel, PHP, JavaScript, React, Node.js, Express.js, Flutter, Dart, MySQL, PostgreSQL, Supabase, Firebase, Bootstrap, Git, GitHub, Vercel, Cloudinary, Tailwind CSS, Render, and SEO-friendly web development**, with experience in **on-page SEO, technical SEO, website performance optimization, and improving search engine visibility**.

Have developed a diverse portfolio of real-world applications including student management systems, engineering reporting systems, financial comparison platforms, online marketplaces, e-commerce applications, travel booking platforms, business websites, WhatsApp automation systems, and industrial reporting tools.

Combines technical software development skills with strong communication, documentation, analytical thinking, problem-solving, and requirements-analysis abilities gained through both software development training and a background in English Literature. Comfortable working independently or collaboratively and highly motivated to continuously learn new technologies and improve existing solutions.

PROFESSIONAL EXPERIENCE

FREELANCE SOFTWARE DEVELOPER

2024 – Present

- Design, develop, deploy, and maintain **web applications, business management systems, websites, and digital solutions** for clients and personal projects.
- Analyze client requirements and translate business needs into **functional, scalable, and user-centered software solutions**.
- Develop responsive frontend interfaces using **HTML5, CSS3, JavaScript, React, Bootstrap, and Tailwind CSS**.
- Develop backend applications and APIs using **PHP, Laravel, Node.js, and Express.js**.

- Design, integrate, and manage relational databases using **MySQL and PostgreSQL**.
- Implement **CRUD operations, authentication, authorization, form validation, database relationships, and data management**.
- Integrate third-party services and APIs including **Supabase, Firebase, Cloudinary, EmailJS, Google Calendar, Google Sheets, WhatsApp automation, and M-Pesa Daraja, Paystack payment APIs**.
- Develop **SEO-friendly websites and applications**, applying on-page SEO, technical SEO, semantic structure, metadata optimization, responsive design, and performance optimization to improve search-engine visibility.
- Deploy and manage applications using cloud and hosting platforms including **Render and Vercel**.
- Use **Git and GitHub** for version control, source-code management, and project collaboration.
- Debug, test, troubleshoot, and optimize applications to improve functionality, reliability, performance, and user experience.
- Communicate directly with clients to gather requirements, provide project updates, demonstrate solutions, and incorporate feedback.
- Develop and maintain software documentation and technical project documentation.
- Continuously research and adopt modern technologies and development practices to improve project quality.
- Provide ongoing maintenance, feature enhancements, and technical support for completed applications.

SELECTED SOFTWARE DEVELOPMENT PROJECTS

FINANCEHUB KENYA

Full-Stack Developer

2026 — Completed

Technologies: *Laravel, PHP, MySQL/PostgreSQL, JavaScript, Blade, Bootstrap, Git, Truehost*

Developed FinanceHub Kenya, a financial comparison platform designed to help users discover and compare financial products and services.

Key Responsibilities & Contributions

- Designed and developed the platform using Laravel and PHP.
- Built a database-driven architecture for storing and managing financial information.
- Developed responsive pages and reusable interface components.
- Implemented backend logic using Laravel controllers, models, routes, and Blade views.
- Worked with relational databases and database migrations.
- Implemented forms and data validation for structured financial information.
- Developed a clean and user-friendly interface focused on simplifying financial comparisons.
- Structured the application with scalability and maintainability in mind.
- Configured production deployment and hosting.
- Worked with PostgreSQL for production deployment.
- Configured environment variables and production application settings.
- Optimized the application structure for search-engine visibility and discoverability.
- Developed the platform with SEO considerations to improve its ability to attract users through search engines.

Project Outcome: *Delivered a functional production financial comparison platform with a structured Laravel backend, database integration, responsive frontend, and production deployment.*

PLUGCONNECT KE

Full-Stack Developer

2026 — Completed

Technologies: *Laravel, PHP, JavaScript, MySQL, Bootstrap, Git, Truehost*

Developed PlugConnect KE, a Kenyan multi-category digital marketplace designed to bring multiple property, vehicle, commercial, and service categories together on one platform (links providers to clients).

The platform covers:

- Rent
- Stays
- Cars
- Commercial properties
- Services

Key Responsibilities & Contributions

- Designed the overall marketplace architecture.
- Developed the platform using Laravel, PHP, JavaScript, and MySQL.
- Created responsive layouts for different screen sizes.
- Developed reusable interface components and structured navigation.
- Designed marketplace category structures for different listing types.
- Implemented database-driven content and listing management.
- Built user-focused interfaces for discovering and viewing listings.
- Developed forms for capturing listing and service information.
- Implemented backend logic for managing marketplace data.
- Designed the platform around scalability so additional categories and features can be introduced.
- Developed a modern visual identity using a Mint and Navy colour direction.
- Implemented interactive UI elements, hover effects, transitions, and responsive layouts.
- Considered SEO and search visibility during the platform's development.
- Configured deployment and production infrastructure.
- Worked with version control using Git and GitHub.

Project Outcome: *Delivered a complete Kenyan marketplace platform covering multiple categories and designed for expansion into a larger digital marketplace ecosystem.*

KENAFRIC ENGINEERING REPORTING & MANAGEMENT SYSTEM

Full-Stack Software Developer

2025 – 2026 — Completed

Technologies: *React, Vite, JavaScript, Bootstrap, Supabase, PostgreSQL, Git, Vercel*

Developed an internal engineering management and reporting system for the Kenafric Confectionery Division – Engineering Department. The system was designed to digitize operational records, employee attendance, leave management, equipment information, documentation, and engineering workflows.

Major Features Developed

- Employee attendance management.
- Leave management.
- Employee profiles.
- Supervisor dashboard.
- User management.
- Equipment management.
- Sub-equipment management.
- Equipment details.
- Operational documentation.
- File uploads.
- Machine drawings and technical documents.
- Supervisor controls.
- Search and filtering.
- Record management.

Key Responsibilities & Contributions

- Developed the frontend using React and Vite.
- Implemented responsive layouts using Bootstrap and custom CSS.
- Designed dashboard interfaces for engineering operations.
- Implemented user authentication and role-based functionality.
- Created separate functionality for operators and supervisors.
- Developed attendance forms capturing technician name, phone number, position, department, value stream, passport photograph, attendance documentation, logbook documentation, and KPI documentation.
- Developed leave-management functionality.
- Implemented supervisor-only controls for sensitive operations.
- Built equipment and sub-equipment management functionality.
- Integrated Supabase Database for application data.
- Integrated Supabase Storage for document and image uploads.
- Implemented file-management workflows for engineering documentation.
- Developed functionality for uploading and viewing technical files.
- Organized uploaded files according to equipment records.
- Built supervisor functionality for managing employee records.
- Implemented user searching and filtering.
- Implemented PIN-reset functionality for supervisors.
- Worked with database security and access policies.
- Debugged and resolved database access and Row Level Security issues.
- Designed the system around real-world industrial workflows and usability requirements.
- Structured the frontend into reusable components and pages.

Project Outcome: *Delivered a functional engineering management and reporting application designed to replace manual operational processes with a centralized digital system.*

STUDENT MANAGEMENT SYSTEM

Full-Stack Laravel Developer

2026 — Completed

Technologies: *Laravel 12, PHP, Blade, Bootstrap, JavaScript, MySQL, PostgreSQL, Laravel Breeze, Eloquent ORM, Git, Render*

Developed a complete Student Management System for managing students, courses, authentication, dashboards, and student financial information.

Key Features

- User authentication.
- Student management.
- Course management.
- Student-course relationships.
- Dashboard.
- Student statistics.
- Course statistics.
- Latest student information.
- Fees management.
- User profile management.
- CRUD operations.
- Database migrations.
- Production deployment.

Key Responsibilities & Contributions

- Developed the application using Laravel 12 and PHP.
- Installed and configured Laravel Breeze for authentication.
- Designed the application's master Blade layout.
- Developed reusable header, sidebar, footer, navigation, and dashboard components.
- Created dashboard cards displaying Total Students, Total Courses, Latest Student, and System Status.
- Developed Student CRUD functionality.
- Developed Course CRUD functionality.
- Created Eloquent relationships between students and courses.
- Configured model fillable properties.
- Created and managed Laravel migrations.
- Developed database-driven forms.
- Implemented form validation.
- Added a Fees Management Module.
- Integrated authentication and profile functionality.

- Developed responsive interfaces using Bootstrap and CSS.
- Connected the application to relational databases.
- Configured PostgreSQL for production.
- Deployed the application to Render.
- Configured production environment variables.
- Troubleshooted deployment and database configuration issues.

Project Outcome: *Delivered a complete Laravel-based student management application with authentication, CRUD functionality, relationships, dashboard analytics, fees management, and cloud deployment.*

ATOMIC FITNESS GYM & MASSAGE

Software Developer — WhatsApp Booking Automation

2026 — Completed

Technologies: *WhatChimp, WhatsApp Business, Google Calendar, Google Sheets, Automation Workflows*

Developed and configured an automated WhatsApp customer service and appointment-booking system for Atomic Fitness Gym & Massage. The system was designed to automate customer enquiries and reduce manual appointment-management work.

Key Features

- WhatsApp chatbot.
- Main customer menu.
- Appointment booking.
- Massage service enquiries.
- Price enquiries.
- Appointment rescheduling.
- Appointment cancellation.
- Appointment checking.
- Business information.
- Frequently asked questions.
- Staff contact option.
- Google Calendar integration.
- Google Sheets integration.
- Automated customer information collection.

Key Responsibilities & Contributions

- Designed the chatbot's conversational structure.
- Created automated WhatsApp customer journeys.
- Developed appointment-booking workflows.
- Configured customer information collection including customer name, email, appointment date, and appointment time.
- Integrated appointment scheduling with Google Calendar.
- Integrated Google Sheets for structured appointment records.

- Created automated responses for common customer questions.
- Implemented rescheduling and cancellation workflows.
- Designed a customer flow for checking existing appointments.
- Created a staff-contact pathway for enquiries requiring human assistance.
- Structured the chatbot to reduce unnecessary manual customer interaction.
- Tested booking flows and customer journeys.
- Configured the system for real-world business operations.

Project Outcome: *Delivered a functional WhatsApp-based appointment automation system capable of handling common customer enquiries and managing appointment workflows.*

FLUTTER MOBILE APPLICATION

PLUGCONNECT KE MOBILE APPLICATION

Mobile Application Developer

2026 — Completed

Technologies: *Flutter, Dart, Firebase Authentication, Cloud Firestore, Cloudinary*

Developed the **PlugConnect KE mobile application**, a marketplace mobile application designed to connect users with listings and services across multiple categories, including **Rent, Stays, Cars, Commercial, and Services**.

Key Features

- User registration and authentication.
- Marketplace category browsing.
- Property and accommodation listings.
- Car listings.
- Commercial property listings.
- Service listings.
- Listing details and descriptions.
- Pricing and listing information.
- Product/listing image selection and upload.
- Cloud-based image storage.
- Firebase Authentication.
- Cloud Firestore database integration.
- Responsive mobile user interface.

Key Responsibilities & Contributions

- Developed the mobile application using **Flutter and Dart**.
- Designed and implemented mobile application screens and reusable widgets.
- Developed structured models for marketplace listings and user data.
- Integrated **Firebase Authentication** for user registration and login.
- Integrated **Cloud Firestore** for storing and managing application data.
- Integrated **Cloudinary** for marketplace listing image storage.
- Developed image selection and upload functionality for listings.
- Implemented listing information including names, descriptions, prices, categories, and images.

- Developed reusable services for communicating with backend and cloud services.
- Structured the application using reusable models, services, and ViewModels.
- Designed the application around the **PlugConnect KE marketplace structure**, supporting Rent, Stays, Cars, Commercial, and Services.
- Implemented a clean and user-friendly mobile interface focused on simplifying marketplace discovery.
- Debugged and resolved Firebase, Cloudinary, and application integration issues.

Project Outcome

Developed a functional PlugConnect KE mobile marketplace application with user authentication, marketplace listing management, Firestore database integration, and Cloudinary-powered image storage, supporting multiple marketplace categories.

INTER CLASS SAFARIS

Software Developer

2023 – Present

Technologies: HTML5, CSS3, Bootstrap, JavaScript, PHP, MySQL

Developing and maintaining a travel booking platform for Inter Class Safaris.

Responsibilities

- Develop responsive travel and booking interfaces.
- Implement frontend functionality using HTML, CSS, and JavaScript.
- Develop backend functionality using PHP.
- Work with MySQL databases.
- Implement and improve booking workflows.
- Maintain existing functionality.
- Add new features based on business requirements.
- Improve user navigation and overall customer journey.
- Optimize pages for different devices.
- Troubleshoot application issues.
- Maintain and update website content and functionality.

LAS VEGAS GYM WEBSITE

Full-Stack Web Developer

2024

Technologies: HTML5, CSS3, JavaScript, PHP, MySQL

Developed a dynamic website for a gym business.

Responsibilities

- Designed the website's overall interface and layout.
- Developed responsive frontend pages.
- Implemented interactive JavaScript components.
- Developed backend functionality using PHP.

- Integrated MySQL database functionality.
- Implemented membership-related functionality.
- Created a modern gym-focused visual design.
- Improved usability and accessibility.
- Optimized the website for desktop and mobile devices.

COTI ANALYSIS FORM

Frontend Developer

2024

Technologies: *HTML, CSS, JavaScript, EmailJS*

Developed a digital COTI incident analysis and reporting form for an industrial working environment.

Responsibilities

- Designed a clean and professional industrial reporting interface.
- Developed a print-friendly one-page layout.
- Implemented responsive form design.
- Created auto-expanding text areas for long responses.
- Integrated EmailJS for email-based reporting.
- Optimized the form for PDF printing.
- Focused on simplicity and usability in a workplace environment.
- Designed the application around practical reporting requirements.

PERSONAL DEVELOPER PORTFOLIO

Web Developer

2024 – Present

Technologies: *HTML, CSS, JavaScript, Bootstrap*

Developed a personal portfolio website to showcase software development projects, technical skills, and professional experience.

Responsibilities

- Designed the portfolio structure and navigation.
- Developed responsive layouts.
- Created project showcase sections.
- Implemented reusable UI elements.
- Added interactive components and animations.
- Optimized the website for different screen sizes.
- Maintained and updated project information.
- Used the portfolio as a central platform for presenting completed work.

TECHNICAL SKILLS

Frontend Development

- HTML5
- CSS3
- JavaScript / ES6+
- React.js
- Vue.js
- Bootstrap
- Responsive Web Design
- UI/UX Development
- Component-Based Development
- Form Development
- Client-Side Validation

Mobile Development

- Flutter
- Dart
- Firebase Authentication
- Cloud Firestore
- Mobile UI Development

APIs & Integrations

- M-Pesa Daraja API
- Paystack API
- Paystack Webhooks
- Google Calendar
- Google Sheets
- WhatsApp Automation
- EmailJS
- Mailtrap
- Cloudinary
- Firebase
- Supabase
- Alsa AI API
- Truehost DNS/Domain Integration

Development Tools

- Git
- GitHub
- Visual Studio Code
- XAMPP
- Composer
- npm
- Vite

Backend Development

- PHP
- Laravel
- Node.js
- Express.js
- REST APIs
- CRUD Development
- Authentication
- Authorization
- Form Validation
- Server-Side Development

Databases

- MySQL
- PostgreSQL
- SQL
- Supabase
- Firebase / Firestore
- Relational Database Design
- Database Migrations
- Eloquent ORM

Deployment & Cloud

- Render
- Vercel
- Supabase
- Firebase
- Cloudinary
- Environment Configuration
- Production Deployment

- Laravel Artisan
- Postman
- Node.js
- Docker

SOFTWARE DEVELOPMENT COMPETENCIES

Full-Stack Development

Ability to develop complete applications covering frontend interfaces, backend logic, databases, authentication, APIs, and deployment.

Database Development

Experience designing and working with relational databases, migrations, relationships, CRUD operations, and cloud database platforms.

API & Third-Party Integration

Experience integrating external services including payment systems, cloud storage, email services, calendars, spreadsheets, authentication services, and messaging automation.

Authentication & Access Control

Experience implementing authentication systems and role-based access controls for applications with different user types and permissions.

Responsive UI Development

Ability to create clean, responsive, and user-friendly interfaces optimized for different devices and screen sizes.

Application Deployment

Hands-on experience configuring and deploying applications using platforms such as Render and Vercel, including production databases and environment variables.

Software Debugging

Strong ability to identify, investigate, and resolve application, database, configuration, integration, and deployment issues.

Requirements Analysis

Ability to understand business requirements and translate them into practical technical solutions.

Technical Documentation

Strong written communication skills and ability to document software functionality, workflows, requirements, and technical processes.

PROFESSIONAL STRENGTHS

- | | |
|------------------------------------|------------------------|
| – Analytical and critical thinking | – Project coordination |
| – Problem-solving | – Time management |
| – Attention to detail | – Adaptability |
| – Strong communication skills | – Independent working |
| – Technical documentation | – Continuous learning |

- Requirements analysis
- Client communication
- Team collaboration
- Creative thinking
- Ability to learn new technologies quickly

EDUCATION

Diploma in Software Development

Institute of Software Technologies · 2026

Certificate in Software Development

Institute of Software Technologies · 2025

Bachelor of Arts in English Literature

Kenyatta University · 2024

Advanced Microsoft Office

TopMax College · 2024

Web Development

Online · 2024

Fundamentals of Programming

Alison Online Platform · 2024

Certificate in Secondary Education

Kyang'onde Secondary School · 2021

Certificate in Primary Education

Malatani Primary School · 2016

PROFESSIONAL PROJECT PORTFOLIO

- **FinanceHub Kenya** — Financial comparison platform
- **PlugConnect KE** — Multi-category Kenyan marketplace
- **Kenafric Engineering Reporting System** — Engineering management and reporting system
- **Student Management System** — Laravel-based student and fees management platform
- **Atomic Fitness Gym & Massage** — WhatsApp appointment automation system
- **Flutter E-Commerce Application** — Mobile e-commerce application
- **Inter Class Safaris** — Travel booking platform
- **Las Vegas Gym Website** — Dynamic gym website
- **COTI Analysis Form** — Industrial incident reporting system
- **Personal Developer Portfolio** — Professional portfolio website

PROFESSIONAL LINKS

Portfolio: Available upon request

GitHub: Available upon request

LinkedIn: Available upon request

Project Links: Available upon request

Primary Email: kestherkathini@gmail.com

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Alternative Phone: 0787 970 352

REFERENCES

Available upon request.