Bonface Njuguna

Full Stack Developer

bonnienjuguna106@gmail.com 0717299106 github.com/Flasky06

Professional Summary

I am a results-driven Full Stack Developer with over 3 years of hands-on experience designing, developing, and deploying scalable web applications using Java, JavaScript, PHP, Spring Boot, React, and Laravel.I take full ownership of the software development lifecycle — from system architecture and API design to deployment and maintenance. I am passionate about building efficient, secure, and high-performance applications that solve real business challenges.I am also experienced in database design, CI/CD automation (Docker, Jenkins), and Agile development, always aiming to deliver clean, maintainable, and production-ready code.

Skills

Frontend
React, JavaScript (ES6+), HTML5/CSS3

Backend
Java (Spring Boot), PHP (Laravel), Node.js (basic)

Databases
MySQL, PostgreSQL, MongoDB

DevOps & Tools
Docker, Jenkins, Git, Swagger, Postman

Testing
JUnit, Mockito

Professional Experience

Software Developer, Routesoft Innovative Technologies 03/2024 – 08/2025 | Thika, Kenya

- I built and deployed full-stack applications using Java EE, Spring Boot, and React (Context API, Zustand, Redux).
- I developed scalable RESTful APIs and integrated Hibernate ORM with MySQL for optimized database performance.
- I delivered complete systems such as a POS, School Management, and ERP solution — from requirements gathering to final deployment.
- I implemented unit testing using JUnit and Mockito, ensuring high-quality and maintainable codebases.
- I was responsible for Dockerized deployments and CI/CD pipeline automation to improve release efficiency.
- I collaborated closely with clients and cross-functional teams in Agile sprints, ensuring timely delivery and continuous improvements.

Software Development Intern, Lish AI Labs 08/2023 – 02/2024 | Nakuru, Kenya

- I handled bug fixes, API debugging, and feature updates that improved stability and usability.
- I optimized database schemas and contributed to normalization and query efficiency improvements.
- I was responsible for documenting internal APIs, improving collaboration among team members.
- I supported deployment and testing efforts, contributing to smoother production rollouts.
- I proposed workflow improvements, helping streamline internal development processes.

Education

Bsc Mathematics and Computer Science, Machakos University 09/2018 – 12/2022 | Machakos, Kenya
Key Focus: Data Structures & Algorithms, Object-Oriented Programming, Database Management, Web Technologies, Machine Learning Basics

Projects

POS & Inventory Management System — Spring Boot, React, PostgreSQL, Spring Boot, React, PostgreSQL
I built a full-featured Point of Sale and Inventory Management System to manage product sales, stock movements, and multi-outlet reporting.

- I designed RESTful APIs in Spring Boot for inventory, product, and user modules.
- I implemented real-time stock synchronization between workshop and outlet dashboards.

- I developed a responsive React interface for sales tracking and dispatch acknowledgment.
- I used PostgreSQL for reliable, normalized data storage.
- I followed Agile methodology, ensuring modularity and scalability of the solution. Portfolio: github.com/Flasky06

School Management System, Java, Spring Boot, Spring Security, PostgreSQL, JUnit
I developed a comprehensive school management portal tailored for Kenyan primary schools.
- I was responsible for designing role-based authentication (Admin, Teacher, Parent) with Spring Security.
- I integrated SMS notifications to keep parents updated on attendance, assignments, and performance.
- I built modules for assignment sharing, financial records, and content management.
- I wrote JUnit tests to maintain code reliability.
- I designed the system architecture to support multiple schools in a single centralized environment. Portfolio: github.com/Flasky06

Fullstack Event Ticketing Platform, JavaScript, React, Java (Spring Boot), PostgreSQL, Spring Security, Cloudinary, Daraja API, QRCode, Zustand
I built and deployed a modern event ticketing and management system integrating payments and QR verification.
- I implemented JWT-based authentication with Spring Security.
- I integrated M-Pesa (Daraja API) for ticket payments.
- I generated secure QR codes for digital ticketing and event check-in.
- I used Cloudinary for image storage and Zustand for state management.
- I deployed Dockerized containers with CI/CD pipelines for efficient updates. Portfolio: github.com/Flasky06

References

Available upon request

Availability: Immediate | Willing to Relocate: Yes (Nyeri)