

ARDEN BOUETOUMOUSSA

Full-Stack Software Engineer

Laravel | PHP | React | Livewire | Docker | GCP



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SUMMARY

I'm a Full-Stack Software Engineer specializing in Laravel and React, with strong proficiency in Docker and cloud-native deployments on GCP, and a solid understanding of modern UI/UX principles through component-driven development with Tailwind CSS. Experienced in architecting and evolving scalable SaaS and multi-tenant systems, with expertise in RESTful APIs, MySQL database design and optimization, system integrations, and workflow automation. Committed to clean architecture, maintainable codebases, and continuous improvement, delivering secure, high-performance, production-grade applications built for long-term scalability.

WORK EXPERIENCE

Full-Stack Software Engineer, Mova Mobility

Jun 2025 - Present

Responsible for the end-to-end technical development of Mova's digital mobility platforms, including the fleet management system (Mova Manager) and the event-based bus booking mobile application.

- Designed the overall system architecture for web and mobile platforms.
- Developed backend services and REST APIs using Laravel.
- Built the Mova Manager web application using React (TypeScript + Vite).
- Implemented real-time fleet visualization initially using Mapbox, then switched to Google Maps.
- Designed booking and scheduling logic to prevent resource conflicts.
- Developed role-based access control for operational teams.
- Built the mobile app for event-based bus reservations.
- Structured database models for fleet, drivers, trips, and bookings.
- Deployed and maintained production infrastructure.
- Optimized performance and system scalability.

Full Stack Developer, Fly Gasal Ltd •

Apr 2025 - Oct 2025

Travel & Booking Systems | Kenya (Contract)

Developed and maintained a robust flight booking engine with PKFare and Amadeus integration, featuring complete booking workflows, automated operations, multi-user authentication, and a responsive admin dashboard.

- Designed and implemented a full-flight booking engine covering search, availability, pricing, booking, and post-booking notifications.
- Built and maintained reusable PKFare and Amadeus API integrations with <1% downtime and reliable performance.
- Developed webhook listeners and cron jobs, automating booking operations and reducing manual work by 40%.
- Implemented multi-user authentication with role-based access for admins, agents, and users.
- Created a modern, responsive admin dashboard, improving monitoring and reducing issue response time by 30%.
- Streamlined workflows and improved system reliability, making the platform production-ready for high-volume use.

Founder and full-stack developer building scalable SaaS solutions for hospitality and business management with product vision and team leadership

- Founded Koverae Technologies, leading a small team to build scalable software for hospitality and business management.
- Oversaw architecture, development (Laravel + React + React Native), deployment, and maintenance.
- Managed product strategy, roadmap, and team mentorship.

Engineered and maintained a Laravel + React.js hotel booking system with real-time reservation tracking, Livewire calendar for room availability, automated invoicing, expense management, and third-party API integrations for payments and notifications

- Engineered a Laravel + React.js hotel booking system with reservation tracking, billing, and guest management.
- Implemented a Livewire-powered calendar for real-time room availability tracking. Integrated third-party APIs for payment processing and email notifications, ensuring reliable workflows.

KEY PROJECTS

Ndako • Hotel Management Made Easy

Ndako is a hybrid hotel and property management platform that centralizes reservations, tenant and lease tracking, automated invoicing, and financial reporting, helping managers reduce operational complexity, minimize errors, and gain clear insights across multiple properties

Skuulu • School Management Simplified

Skuulu is a modular school management platform centralizing academic, financial, and administrative workflows. It streamlines admissions, attendance, grading, invoicing, and reporting while providing real-time access for admins, teachers, parents, and students. Designed for scalability and transparency, it reduces administrative overhead and enhances operational efficiency.

EDUCATION

Kenya Methodist University | Kenya

- Major in Computer Science.
- Gaining hands-on experience in software engineering principles, programming, and system design, while also exploring emerging technologies such as cloud computing, artificial intelligence, and cybersecurity.

ADDITIONAL INFORMATION

- **Technical Skills:**
 - **Frontend & UX/UI:** React, Livewire, Tailwind CSS, Responsive Design, Component-Driven Development, UX-Aware Interfaces
 - **Backend & APIs:** Laravel, PHP, RESTful API Design, MySQL Database Design & Optimization, Multi-Tenant Architecture, Workflow Automation
 - **Cloud & DevOps:** Docker, cPanel, CI/CD (Cloud Deployments, Containerized Applications, CI/CD Pipelines)
 - SaaS Platform Architecture, Maintainable & Modular Codebases, System Integrations, Performance Optimization, Open-Source Contributions
- **Languages:** English, French.