

ARDEN BOUETOUMOUSSA

Full-Stack Software Engineer / Technical Lead

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SUMMARY

Driven Full-Stack Software Engineer and Technical Lead with 3+ years of experience scaling web and mobile applications across SaaS, mobility, and fintech. Expert in Laravel, Java, React, and DevOps, with a proven track record of migrating legacy infrastructure to containerized VPS environments and architecting complex systems (NFC, third-party APIs).

TECHNICAL SKILLS

- **Languages:** PHP, JavaScript, TypeScript, SQL, Java,
- **Frontend & UX/UI:** React, React Native, TypeScript, Tailwind CSS, Responsive Design
- **Backend & Database & APIs:** Laravel, RESTful API Design, MySQL, Redis, phpMyAdmin, Oracle
- **DevOps & Infrastructure:** Docker, OVHcloud, VPS Management, Cloudflare, cPanel, CI/CD Pipelines, GitHub Actions, GCP

RELEVANT WORK EXPERIENCE

Full-Stack Software Engineer / Technical Lead, Móva Mobility (Remote, France)

Jun 2025 - Present

Promoted internally from Full-Stack Developer to Technical Lead, owning the technical direction, architecture, and operational reliability of Móva's digital mobility ecosystem.

- **Software Engineer Technical Lead** (May 2026 - Present):
 - Infrastructure & DevOps: Successfully migrated production infrastructure from legacy cPanel to containerized Docker environments on an OVHcloud VPS, utilizing Cloudflare for security/DDoS protection and phpMyAdmin for database access.
 - Product Innovation: Co-designed and launched **Móva Pass** (subscription transit), architecting the ecosystem integration between user accounts, mobile clients, and physical **NFC cards** across 2 pilot routes.
 - Technical Direction: Own the end-to-end architecture, engineering direction, and codebase maintainability across backend, web, mobile, and cloud environments.
- **Software Developer** (Jun 2025 - May 2026):
 - Full-Stack Development: Built the core Móva mobile reservation application using React Native and the Móva Manager fleet operations web platform using React and TypeScript.
 - Backend & APIs: Designed and optimized scalable backend services, trip scheduling workflows, and RESTful APIs using Laravel 12, MySQL, and Redis.
 - Real-Time Mapping: Implemented live vehicle tracking and fleet visualization workflows by integrating Google Maps APIs.
 - Security & Architecture: Designed multi-tenant database schemas and implemented Role-Based Access Control (RBAC) for operational teams.

Full-Stack Developer (Contract), Fly Gasal Ltd (Nairobi, Kenya)

Apr 2025 - Oct 2025

Designed and shipped a production-ready, high-volume travel & flight booking engine.

- API Integration: Built a high-volume flight booking engine covering search, pricing, and availability by integrating Amadeus and PKFare APIs with <1% downtime.
- Workflow Automation: Developed custom webhook listeners and cron jobs, automating 40% of booking operations and eliminating manual administrative workflows.
- Dashboard & Security: Designed a responsive admin interface using React with Role-Based Access Control (RBAC), reducing issue response times by 30%.

Founder & Lead Developer | Koverae Technologies Ltd (Nairobi, Kenya)

Jan 2024 - Feb 2025

Bootstrapped a business management SaaS platform; managed the product roadmap and directed the full-stack architecture, deployment, and maintenance using Laravel, React, and React Native while mentoring a small team.

SELECTED PROJECTS

Navigo - Public Transit Navigation & Routing Ecosystem | <https://github.com/Navigo-Kenya/navigo>

Architected and developed a full-stack journey planning platform for **Nairobi's matatu network**, pairing a React Native/Expo mobile client with a Laravel API and a Java-based **OpenTripPlanner** multimodal routing engine. Containerized the entire microservices infrastructure using Docker for deployment on a dedicated server. Engineered an EMA-smoothed GPS projection engine featuring dead reckoning and background geofencing for low-latency live navigation, and integrated a voice-enabled, conversational trip assistant powered by the **Gemini AI API**.

EDUCATION

Bachelor of Computer Science | Kenya Methodist University | Aug 2024 - Sept 2028 (Expected)