BYRON MAURICE

SOFTWARE ENGINEER

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PROFILE

Full-stack software engineer with 5+ years building scalable web applications for enterprise clients and major consumer brands. Specialized in creating high-traffic gamification experiences, field operations platforms, and financial management systems that have served 50,000+ end users. Proven track record delivering solutions for brands including Diageo, Coca-Cola, Old Mutual, and Afrigas—combining technical excellence with user-centric design to drive engagement and operational efficiency.

WORK EXPERIENCE

MAY 2025 - PRESENT

Founder & Lead Developer—Chamapro (chamapro.co.ke)

- Built and launched a community finance platform enabling groups to track contributions, loans, and meetings.
- Designed and implemented the full system: UX, backend, API, frontend, and database architecture.
- Automated reminders, digital record-keeping, and group workflows, eliminating manual bookkeeping.
- Conducted user interviews and continuously refined features based on community needs.

EDUCATION

2020 - 2023
INSTITUTE OF SOFTWARE TECHNOLOGIES

- Diploma in Software Development | 2021–2023
- Certificate in Software Development | 2020–2021

TECHNICAL SKILLS

- **Frontend:** React, Next.js, Vue.js, Tailwind CSS, TypeScript, JavaScript (ES6+)
- **Backend:** Node.js, Express.js, Laravel (PHP)
- **Databases:** MongoDB, PostgreSQL, MySQL
- **DevOps & Tools:** AWS, CI/CD, Git, Figma, Supabase, MongoDB Atlas
- **Specializations:** Scalable architecture, performance optimization

LANGUAGES

- English (Fluent)
- Kiswahili (Fluent)

MAY 2024 - MAY 2025

Software Engineer—Hokela Interactive Africa (Hybrid, Nairobi)
Field marketing technology platform serving FMCG brands across East Africa

1. Brand Gamification & Interactive Campaigns

- Developed 5+ branded gamification experiences for major clients, including Diageo, Coca-Cola, Old Mutual, Afrigas, and Jambojet, achieving 50,000+ user engagements during peak campaigns.
- Built interactive promotional games featuring prize systems, leaderboards, secure authentication, and real-time validation with 99.9% uptime.
- Implemented fraud prevention mechanisms and automated winner verification systems with SMS notifications, achieving a 98% delivery rate.
- Optimized campaigns for mobile-first experiences with 2-second load times on 3G networks

2. Enterprise POS System

- Maintained and enhanced KRA-integrated Point-of-Sale system processing 500+ daily transactions across multiple retail locations.
- Ensured real-time tax compliance, secure payment processing, and comprehensive reporting dashboards.

3. Field Sales Platform

- Built a field sales & merchandising app adopted by 1,000+ agents, enabling onboarding, task execution, and reward tracking.
- Reduced reporting time by 40% through digital surveys and real-time submissions.
- Designed and engineered gamification features—leaderboards, points, and badges—increasing agent engagement by 25%.
- Developed multi-role dashboards for admins, managers, and agents, enhancing visibility across 10+ regions.
- Integrated Next.js frontend with MongoDB Atlas backend, ensuring scalable performance for thousands of daily reports.
- Piloted Telegram Mini App version to support agents using low-spec devices

COURSES

- Responsive Web Design—**FreeCodeCamp** 2021.
- Python Basics for Data Science—**aiplanet** 2023.
- Vue.js Fundamentals—**Vue School** 2021.
- Laravel Fundamentals—**Laracasts** 2021.

KEY PROJECTS

1. Hiduka POS | www.hiduka.co.ke

- Enterprise Point-of-Sale system with full KRA integration processing 500+ daily transactions.
- Features secure payment processing, real-time tax compliance, inventory management, and comprehensive reporting

2.Coca-Cola Kaching Ching

- High-traffic interactive promotional game with a secure prize redemption system.
- Handled 50,000+ entries during peak campaign periods with zero downtime.
- 95% user satisfaction rate with real-time validation and fraud prevention.

3. Chamapro (Community Finance Platform) | https://chamapro.co.ke/

- Full-stack platform for group savings and loan management
- Automated workflows, reminders, and digital record-keeping eliminating manual bookkeeping

4. Hokela Field Sales Platform | https://hokela.co.ke/

- Used by 1,000+ merchandising agents across 10+ regions.
- Reduced reporting time by 40% with real-time data submission and gamified engagement features .

OCT 2021 - APRIL 2024

Software Developer—Software Technologies Ltd

- Designed and prototyped responsive applications using Figma, improving design-to-development delivery by 30%.
- Built scalable frontends with Vue.js and React.js, increasing user satisfaction scores by 25%.
- Developed secure Laravel and Node.js backends, reducing application downtime by 40%.
- Implemented Git/AWS DevOps workflows that cut deployment times by 50% and improved release reliability.
- Strengthened security across 10+ client projects by enforcing modern best practices.

NOV 2022- JAN 2023

Technical Writer—Webiny (Remote, Oregon) - Contract

- Collaborated with engineering teams to understand serverless CMS architecture, reducing onboarding questions by 30%.
- Authored guides and tutorials on Serverless CMS, Eleventy, and GraphQL, helping 1,000+ developers adopt the tools faster.
- Produced clear, standards-compliant documentation that reduced support tickets by 20%.
- Organized technical content into consistent, accessible formats across all documentation.

MAY 2025 – NOV 2025

Freelance Software Engineer—Nats Automations

- Designed and developed a full billing and invoicing platform used by SMEs to streamline payment tracking and automate recurring invoices.
- Built modules for client management, payments, expenses, and reporting with a strong focus on speed, accuracy, and user-friendly workflows.
- Implemented secure authentication, role-based access, and optimized dashboards for real-time financial insights.
- Currently providing ongoing maintenance and support to ensure system reliability .

R E F E R E N C E S

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