

DANNELS OKORO

Senior Software Engineer

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1. PROFESSIONAL SUMMARY

Results-driven software engineer with over 4 years of experience designing and implementing robust, scalable applications across diverse industries. Demonstrated expertise in full-stack development, microservices architecture, and cloud-native solutions. Consistently delivers high-performance software that drives business growth and enhances user experience. Known for problem-solving capabilities, technical leadership, and a collaborative approach to complex challenges.

2. EDUCATION

University of Lay Adventist of Kigali (UNILAK), Rwanda

- Bachelor of Science in Computing and Information Science — January 2022
GPA: 3.5/4.0 | Specialization: Software Engineering and Database Systems
Thesis: *Implementation of Efficient Algorithms for Real-time Data Processing in Distributed Systems*
- Bachelor of Science in Information Technology — June 2018
GPA: 3.5/4.0 | Specialization: Network Administration and System Security
Relevant Coursework: Advanced Programming, Data Structures, Software Engineering, Database Management Systems, Web Technologies, Operating Systems, Computer Networks, Information Security

3. TECHNICAL SKILLS

Programming Languages:

Java (Spring Framework, Hibernate), Kotlin (Android), PHP (Laravel, Symfony), Dart (Flutter), C#, SQL (MySQL, PostgreSQL, MSSQL), JavaScript (ES6+, TypeScript, Node.js), HTML5, CSS3 (SASS, LESS)

Frameworks & Libraries:

Spring Boot, Micronaut, Laravel, Flutter, Vue.js, React.js, Angular, Express.js, Hibernate, JUnit, PHPUnit, Jest, Mockito

Tools & Platforms:

Docker, Kubernetes, Jenkins, CircleCI, Travis CI, Git, GitHub, GitLab, Bitbucket, Jira, Confluence, IntelliJ IDEA, Visual Studio Code, Android Studio, Postman, Swagger

Cloud Services:

AWS (EC2, S3, Lambda, RDS), Google Cloud Platform, Firebase, Heroku, DigitalOcean

Concepts & Methodologies:

Clean Architecture, SOLID Principles, CQRS, MVC, Microservices, Event-Driven Architecture, Domain-Driven Design, CI/CD, TDD, RESTful API Design, GraphQL, Agile/Scrum, Kanban

4. PROFESSIONAL EXPERIENCE

Software Engineer | DioliChat

Kigali, Rwanda | January 2023 – April 2025

- Led development of Trip Management System using Spring Boot microservices, resulting in a 35% increase in bookings and 42% reduction in administrative overhead.
- Built a Mentorship Application (Flutter + Laravel) connecting 500+ mentors and 2,000+ mentees; improved scheduling by 60%.
- Developed a Meditation Platform using Node.js, MongoDB, and WebSocket, increasing engagement by 45%.
- Created a Deployment Site Builder with Docker/Kubernetes, reducing deployment time by 75%.
- Implemented CI/CD pipelines and infrastructure-as-code (Terraform), reducing release cycles from days to hours.
- Mentored junior developers, led technical workshops, maintained 95% sprint goal completion.

Senior Software Engineer | Freelance / Remote

January 2021 – December 2022

- Delivered 12+ full-stack applications (Laravel + Vue.js) across e-commerce, healthcare, fintech sectors.
- Built robust RESTful APIs with OAuth 2.0, JWT authentication, Swagger documentation; supported 10K+ daily requests with 99.9% uptime.
- Developed 8 mobile applications using Flutter, achieving 50,000+ downloads collectively.
- Refactored legacy codebases, optimized applications, reducing load times by 40%.

5. SIGNIFICANT PROJECTS

Deployment Site Builder

- **Stack:** Node.js, Docker, Kubernetes, Terraform, Vue.js
- Automated website deployment system; reduced setup time by 87%.
- Added real-time monitoring, auto-scaling, and alerting features.

Mentorship Application

- **Stack:** Flutter, Firebase, Laravel, MySQL, WebRTC

- Real-time mentor-mentee matching platform with secure video sessions and intelligent scheduling.

Trip Management System

- **Stack:** Spring Boot, PostgreSQL, Vue.js, Redis, AWS
- Scalable booking and itinerary system that processed \$1.2M+ in transactions first year.

Meditation Platform

- **Stack:** MERN (MongoDB, Express, React, Node), Socket.io, AWS
- Built a social mindfulness app with live sessions, adaptive streaming, community challenges.

Portfolio Management System

- **Stack:** Java, Spring Boot, PostgreSQL, JavaFX
- Built advanced financial planning tool using Monte Carlo simulations and modern portfolio theory.

6. SOFT SKILLS

- Analytical Problem Solving and Critical Thinking
- Effective Communication and Stakeholder Management
- Technical Leadership and Team Mentorship

7. LANGUAGES

- English: Professional Working Proficiency

8. CERTIFICATIONS

- AWS Certified Developer – Associate
- Oracle Certified Professional, Java SE 11 Developer