BRAMWEL AGINA

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SOFTWARE DEVELOPER

SUMMARY

Software Engineer with 3+ years of experience crafting high-performance mobile apps, full-stack platforms, and AI-powered solutions. Proven track record in Android/iOS development, cross-platform Flutter applications, and machine learning implementations. Specialized in creating seamless user experiences with modern technologies including React.js, Node.js, TensorFlow, and scikit-learn. Award-winning developer with published research in AI consciousness and innovative tech solutions.

PROFESSIONAL EXPERIENCE

Full-Stack Web Developer
AllotMeal Afroc Platform

2023 - Present

Led redesign and deployment of allotmealafroc.com connecting 1000+ hotels, businesses, and stakeholders through listings, networking, and payment services. Built with Next.js, MongoDB, and Netlify, processing thousands of bookings.

Radio Platform Developer
KenLive Radio

2023 - Present

Created live streaming radio platform for community news and programs founded by Ken Wakuraya, former Inooro news anchor. Built real-time audio broadcasting system with chat features and analytics dashboard handling thousands of concurrent listeners with zero downtime.

Full-Stack & Mobile App Developer
Milestone Radio

2023 - Present

Developed both web platform and Android mobile app for Milestone Institute's educational radio system. Mobile app has 10,000+ downloads on Google Play Store with live streaming, offline playback, push notifications, and social sharing capabilities.

Mobile App Developer
SCHACCS & Educational Institutions

2024 - 2025

Developed parent-student portal with 10,000+ downloads featuring fee overview, academic results, attendance tracking, and event notifications. Built using Flutter, Firebase, and SQLite for cross-platform compatibility.

Freelance Web Developer
Multiple Organizations

Jan 2023 - Dec 2023

Built secure, responsive web applications and CRM modules using PHP, Laravel, and MySQL. Collaborated with clients to deliver custom solutions on schedule, improving operational efficiency by 60%.

Full-Stack Developer & IT Trainer
Newsline Media

Aug 2024 - Dec 2025

Developed platform connecting businesses with students seeking attachments and training opportunities across Kenya. Trained attachés in Web Development, Android App Development, AI/ML, Cybersecurity, Networking, and Database Management.

KEY PROJECTS

AllotMeal Africa Business Platform
Full-Stack Web Development

2023 - Present

Comprehensive business platform connecting 1000+ hotels, restaurants, and stakeholders. Features listings, networking, payment processing, and booking management. Built with Next.js, MongoDB, and modern web technologies.

KenLive Radio Platform
Live Streaming & Broadcasting

2023 - Present

Real-time radio streaming platform with live broadcasting, chat features, and analytics dashboard. Handles thousands of concurrent listeners with zero downtime. Community news platform founded by former Inooro news anchor.

Milestone Radio Web & Mobile App
Cross-Platform Development

2023 - Present

Educational radio system with web platform and Android app (10,000+ downloads on Play Store). Features scheduled programming, podcast archives, live streaming, offline playback, and push notifications.

SCHACCS Parent-Student Portal
Mobile Application Development

2024 - 2025

Educational mobile app with 10,000+ downloads. Features fee overview, academic results, attendance tracking, event notifications, and parent-teacher communication. Built with Flutter for cross-platform compatibility.

EDUCATION

Bachelor of Science in Computer Science
Gretsa University, Thika, Kenya

Sep 2019 - Sep 2024

Second Class Upper Division

TECHNICAL SKILLS

Mobile Development
- Android (Java/Kotlin)
- iOS (Swift)
- Flutter & Dart
- React Native
- Firebase & SQLite

Web Development
- React.js & Next.js
- Node.js & Express
- PHP & Laravel
- HTML5/CSS3/JavaScript
- MongoDB & MySQL

AI/ML & Data Science
- TensorFlow & PyTorch
- scikit-learn & Pandas
- BERT & NLP
- Computer Vision
- Statistical Modeling

Tools & Platforms
- Git & GitHub
- Docker & Cloud Services
- Figma & Adobe XD
- Agile/Scrum
- API Integration

MORE PROJECTS

SMS-Based Rental Management
Innovative Mobile Solution

2024

Revolutionary rental application that processes SMS messages instead of API data. Enables property managers track payments and manage tenants via SMS. Perfect for low-connectivity areas.

AI Health Coach Application
AI/ML Development

2024

AI-powered health app using React.js and Python Flask providing personalized workout plans, nutritional advice, sleep tracking, and stress management with 95% accuracy in health marker detection.

AWARDS & RECOGNITION

1st Place - 2024 Country Annual App Development Contest
Gretsa University - Innovative mobile application

2nd Place - 2023 Country Annual App Development Contest
National Competition - AI-integrated solution

1st Place - Busia Web Development Contest
Regional Competition - Outstanding web project

RESEARCH PUBLICATIONS

Baby-Like AI System (BLAIS)
Published on Academia - AI consciousness through associative learning

Hybrid Census Technology Solution
Published on Academia - 96-98% coverage, 90% cost reduction

Electromagnetic Wave Olfactory Device
Published on Academia - Theoretical smell simulation research

LANGUAGES

English: Native   Italian: Conversational   Kiswahili: Native