

Vincent Mwenda

Software Developer

✉ munenevincent49@gmail.com ☎ 0799977595 📍 Kahawa Wendani 🌐 vincentmunene49

Profile

I am a software engineer with over 5 years of experience in mobile development, backend systems, and API integration, gained through professional roles, freelance projects, and personal endeavors. My core expertise lies in building cross-platform mobile applications using Flutter and FlutterFlow, crafting pixel-perfect UIs and seamless user experiences while engineering the backend systems that power them. I specialize in Firebase ecosystem development including Firestore, Cloud Functions, and Authentication, alongside robust backend architectures using Java Spring Boot and MySQL, with extensive experience in REST API development, microservices, message queues (RabbitMQ), and cloud infrastructure on Google Cloud Platform and Railway. I excel in integrating complex systems into mobile applications, including payment systems like Stripe, vector databases like ChromaDB for AI-powered features, and secure multi-provider authentication flows, while ensuring end-to-end reliability from database to device. Driven by a passion for technical excellence, I take pride in delivering production-ready mobile applications, optimizing CI/CD pipelines, and creating solutions that users love across multiple platforms.

Skills

Languages

- Java
- Kotlin
- python
- MySql
- Postgress
- Dart

Tools and Technologies

- Mobile Development:
 - FlutterFlow & Flutter
 - Android (Kotlin, Jetpack Compose, MVVM/MVI)
- Backend & Infrastructure:
 - Java Spring Boot, Spring Data JPA, Spring Cloud
 - Apache Kafka & RabbitMQ
 - MySQL, PostgreSQL, Firebase/Firestore
 - RESTful API design & microservices architecture
 - CI/CD (Git, Docker, Jenkins, GitHub Actions)
- Cloud & DevOps:
 - Google Cloud Platform (Cloud Functions, App Engine)
 - Railway, Firebase
 - Docker containerization & Kubernetes
 - Azure

Professional Experience

Mobile Developer, *Konvergenz*

04/2026

- Building P360 in Flutter, a clinical practitioner app for licensing and CPD used by medical professionals nationwide

Nairobi

Backend software engineer, *Minet insurance*

01/2026 – 03/2026

- Designing and implementing scalable RESTful APIs to support internal and client-facing applications
- Working with relational databases to design schemas, optimize queries, and ensure data integrity
- Collaborating with cross-functional teams to gather requirements and translate them into technical solutions

- Implementing authentication and authorization systems to ensure secure access to platform resources
- Integrating third-party services and APIs into existing backend infrastructure
- Participating in code reviews to maintain code quality and share technical knowledge across the team
- Writing and maintaining technical documentation for APIs and backend services
- Troubleshooting and resolving backend issues in staging and production environments

Freelance Software Developer, Upwork

04/2023 – present

- Specialized in backend development and API architecture, building and deploying production-ready systems with Spring Boot, Firebase Cloud Functions, and microservices for clients across industries. Experienced in designing scalable REST APIs, real-time data pipelines, and cloud infrastructure that power mobile and web applications.
- Designed and implemented complex backend features including secure authentication systems, payment gateway integrations (Stripe), real-time database architectures (Firebase/MySQL), message queue implementations (Kafka/RabbitMQ), and vector database solutions (ChromaDB) for AI-powered applications, ensuring systems meet both business and technical requirements.
- Collaborated with multiple client teams to transform business needs into robust backend architectures, delivering scalable API systems and database designs that support high-performance mobile applications built with FlutterFlow and native Android.
- Built full-stack solutions integrating backend systems with mobile frontends using FlutterFlow and Kotlin/Jetpack Compose, providing end-to-end expertise from database design to API development to deployment pipelines with Docker and CI/CD.
- Adapted to diverse tech stacks and industries, gaining hands-on experience with cloud platforms (GCP, Railway), database optimization, and microservices architecture, consistently delivering impactful backend solutions on time.

Full Stack Software Engineer, Turnkey

01/2023 – 04/2025
Nairobi, Kenya

- Led Android app development with Kotlin & Jetpack Compose, delivering responsive user experiences.
- Developed and optimized backend systems using Spring Boot & Oracle for scalability and reliability.
- Integrated REST APIs into mobile apps to enhance functionality.
- Designed and optimized RESTful endpoints for improved backend performance.
- Implemented CI/CD pipelines using Jenkins to streamline deployments.
- Mentored a multidisciplinary team on best practices, code quality, and agile methodologies.
- Collaborated with stakeholders and cross-functional teams to align technical work with business goals.
- Advocated for high standards in version control, documentation, and software engineering practices.

Software Engineer,, Kenyatta National Hospital

01/2022 – 12/2022
Nairobi, Kenya

- Contributed to database management by ensuring data integrity, optimizing performance, and supporting efficient storage solutions.
- Played a pivotal role in designing and developing a web application for tool management, enabling real-time tracking and scheduling of maintenance tasks across the premises.

References

Titus Murithi, *Software engineer*, Minet Insurance Brokers Limited
murithitus510@gmail.com, +254 795 307426

Eric Wathome, *Software Engineer*, Safaricom ltd
ericwathome007@gmail.com, +254 722 261627

Patrice Wanjala, *Software engineer*, Upwork
mulindipatrice00@gmail.com, +254 757 913481