**Gilbert Ayoma**  
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**Professional Summary**

I am a versatile Computer Science graduate with over 2 years of experience in software development, backend programming, and IT support. Skilled in JavaScript, TypeScript, Kotlin, and backend API development, I am currently developing an HR system using Next.js and PostgreSQL, focused on automating HR processes. Experienced in Android development using Kotlin and Jetpack Compose, following Google’s best practices. In my current role with USAID Dumisha Afya, I support and configure OpenMRS applications on Linux servers and ensure their consistent uptime. I am excited to expand my skills in backend development, especially in JavaScript, TypeScript, and Spring Boot, through a hands-on volunteer opportunity.

**Technical Skills**

* **Programming Languages:** JavaScript | TypeScript | Kotlin | Java | SQL | HTML | CSS
* **Frameworks & Libraries:** Next.js | Spring Boot | Node.js | Jetpack Compose | PostgreSQL | MySQL
* **Tools:** Git | GitHub | Postman | Docker | IntelliJ IDEA | Google Cloud
* **Other Skills:** RESTful API Development | Database Management | Linux Server Configuration | Android Development

**Professional Experience**

**USAID Dumisha Afya (MTRH Partner)**  
*ICT Administrator*  
April 2024 – Present | Bungoma, Kenya

* Developing a **JavaScript-based HR application** with Next.js and PostgreSQL, currently in testing on Vercel. The HR module is complete, and I am working on the applicant side, with plans to integrate Google Cloud tools for automation and AI.
* **Configured and supported OpenMRS** applications on Linux servers, ensuring high availability for electronic health records.
* Implemented data integrations between the National Data Warehouse and KenyaEMR systems, linking data sources using DWAPI API for streamlined data access.

**Kingdom Bank Ltd**  
*Banking Application Support Officer*  
November 2022 – March 2024 | Nairobi, Kenya

* Maintained and supported **core banking system operations** (Bankers Realm.NET), performing essential server processes, database management, and secure data handling.
* Created custom SQL queries to generate user-defined reports, including a loan qualification tool for streamlined access to business intelligence data.
* Assisted in server upgrades, database maintenance, and infrastructure optimization, enhancing system performance and security.

**KEMRI-UCSF FACES Project**  
*Programming Assistant*  
May 2021 – September 2021 | Kisumu, Kenya

* Supported **OpenMRS setup and maintenance** and provided end-user support for health record systems.
* Developed a Viral Load Report tool for health data reporting, and assisted the M&E team in data visualization.
* Deployed and maintained **ODK tools on Android** for data collection and surveys, enabling efficient data capture for health projects.

**Projects**

**HR Application (USAID Dumisha Afya)**  
Developing an HR system with JavaScript and PostgreSQL, complete with an HR module tested on Vercel. Currently working on the applicant side with plans for Google Cloud integration to enhance automation and explore AI capabilities.

**Android Development**  
Created Android applications using Kotlin and Jetpack Compose, adhering to Google’s best practices. Developed responsive UI components and integrated backend services, ensuring optimized performance and seamless user experiences.

**REST API Development with Spring Boot**  
Currently developing RESTful APIs using **Spring Boot** for secure data access and efficient backend handling, with a focus on data interaction and integration with client-side applications.

* **Tools Used:** Spring Boot | IntelliJ IDEA | Postman | REST API | Git | GitHub

**Education**

**Bachelor of Science in Computer Science**  
Kibabii University, Kenya | September 2016 – August 2020

**Google Africa Developer Scholarship**  
Associate Android Developer | Online | June 2020 – February 2021

**References**

1. **Geofrey Nyabuto**  
   M&E Specialist, USAID Dumisha Afya  
   +254 725627847 | gnyabuto@usaiddumishaafya.or.ke
2. **Edwin Oriaro**  
   Database Manager, Kingdom Bank Ltd  
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