

## KEVIN KIRUI

664-20210, Litein | (254) 796809616 | [kevinkirui003@gmail.com](mailto:kevinkirui003@gmail.com)

### PROFESSIONAL SUMMARY

With over 4 years of experience as a .NET Developer, I specialize in building scalable and modular solutions using ASP.NET Core, .NET 6/7/8/9, and C#. I have developed numerous microservices, RESTful APIs, and fintech applications, applying clean architecture and modular programming principles for maintainability and flexibility. I have hands-on experience with Azure, AWS, Docker, and Kubernetes. Passionate about integrating AI (OpenAI, ML.NET), optimizing performance, and implementing CI/CD pipelines. I enjoy tackling complex challenges that drive innovation, especially in security and high-performance systems.

### EXPERIENCE

**Software Developer | Dynasoft Business Solution Limited | Nairobi**

*August 2024 - Present*

- Built and managed a Web API using ASP.NET that integrates with Microsoft Business Central Web Service OData API, enabling seamless data exchange and improving business operations.
- Developed and maintained Employee Self-Service Web Portal using .NET Core and React, serving 100+ users, which resulted in a 50% improvement in user experience and efficiency.
- Integrated client web portals with M-Pesa, eCitizen and ETIMS via ASP.NET RESTful APIs, streamlining payment processes and enhancing service delivery.
- Supported various web portals built with .NET Framework and .NET MVC, serving 5000+ clients, ensuring high availability and optimal performance. eg Contractors Hub KeRRA and KURA.
- Leveraged Kafka for event-driven architecture, enabling reliable messaging and real-time data processing across microservices.
- Leveraged Azure Functions to build and manage scalable serverless applications, enabling efficient event-driven processing and automation.
- Utilized Azure App Service to successfully migrate application hosting from on-premises infrastructure to the cloud, enhancing reliability, scalability, and deployment efficiency.
- Enhanced Azure Application Gateway configurations to efficiently manage and control incoming traffic during peak periods—such as KASNEB submission deadlines—ensuring high availability, load balancing, and secure traffic routing to maintain system performance under pressure.
- Implemented Docker for containerization, ensuring consistent deployment and ease of scalability across development and production environments.
- Established CI/CD pipelines using Azure DevOps and GitHub Actions, optimizing the development lifecycles and accelerating feature delivery.
- Worked with SQL Server to design, maintain, and optimize databases, ensuring data integrity and high performance for all applications.

### **Volunteer Software Developer | BD Waste | Ghana**

*May 2023 - July 2023*

Waste management company that uses technology to solve garbage problems.

- Moving the platform from Heroku to AWS
- Building dashboard for USSD application
- Adding new features based on client's request.

### **Software Developer | Skylab Systems Limited | Nairobi**

*August 2022 - August 2023*

- Developed clean, efficient and maintainable server-side logic and APIs using the Spring Boot framework, ensuring scalability and performance.
- Designed, developed and maintained MySQL database schemas, optimizing queries and ensuring data integrity for various applications.
- Integrated Standard Bank with Apptivate Africa's system, streamlining financial transactions and enhancing system functionality.
- As a Junior Developer, I identified and fixed bugs in the backend code, contributing to the overall improvement of application performance and stability.

### **Software Developer Intern | Micrologic Institute of Technology | Nairobi**

*January 2022 - July 2022*

- Developed and maintained Android applications using Java and Kotlin.
- Integrated third-party libraries such as Google Maps and Firebase into Android applications.
- Consumed RESTful APIs developed using Spring Boot in Android applications.
- Designed and developed a food ordering application using java and firebase

## PROJECTS

### 1. Intern Management Service (C#, ASP.NET Core)

- . Developed a REST API for an intern management system that handles intern applications, onboarding, performance tracking, and profile management.
- . Integrated DIDIT for digital identity verification to streamline intern registration and improve security during onboarding.
- . Implemented features to manage internship schedules, supervisor feedback, and automated performance evaluations.
- . Utilized Docker for containerized deployment, ensuring scalable and secure management of intern-related operations.

### 2. Moran Publishers (Author/Customer Portal)(C#, React, ASP.NET Core)

- Developed a responsive web application using React for the frontend and C# (.NET) for the backend. The React interface ensured a smooth user experience with dynamic views, while the C# backend handled API logic, data processing, and database interactions. Data between the frontend and backend was well-structured and seamlessly aligned for accurate, real-time display.
- Used Docker for deployment and ensured the system's robustness and efficiency.

### 3. M-Pesa Payment Integration (C#, .NET 8)

- Built a secure payment gateway integration using Safaricom M-Pesa Daraja API to enable mobile money payments for services and reimbursements.
- Implemented transaction validation, payment confirmation callbacks, and real-time status updates within .NET Core services.
- Ensured secure API communication with OAuth 2.0 and improved error handling and logging for financial operations.

### 4. PayPal Payment Integration (C#, .NET 8)

- Developed PayPal integration using PayPal REST APIs to facilitate international transactions and internship-related payments.
- Handled subscription-based billing, one-time payments, and refunds with proper webhook processing and status tracking.
- Designed reusable payment modules with dependency injection for easy integration into existing .NET Core applications.

## **EDUCATION**

### **Bachelor of Science Information Technology**

The Cooperative University of Kenya,  
Karen Nairobi

*September 2018 - May 2023 | Second Class Honors*

### **Web Design**

Micrologic Institute of Technology, Kitengela Kenya  
*May 2018 - September 2018 | Distinction*

## **SKILLS AND CERTIFICATION**

**Programming Languages:** C#, Java, JavaScript

**Frameworks:** .NET, .NET CORE

**Web Development:** HTML, CSS, React

**Database Management:** MySQL, MSSQL, Firebase

**Tools:** Git, Docker, Kafka

**Cloud Services:** Azure, AWS

**Operating Systems:** Windows, Linux

## **CERTIFICATIONS**

Microsoft Azure Developer Associate

Foundational C# Certification Microsoft in Partnership with free Codecamp

## **REFERENCES**

Brian Orina,

Software Developer, DynaSoft Business Solution,  
Nairobi, Kenya.

Phone No:0700072016.

Email: [brianorina@dynasoft.co.ke](mailto:brianorina@dynasoft.co.ke).

Robert Njonjo,

Software Developer, GreenCom  
Nairobi, Kenya.

Phone No: 0745310513.