Bernard Maina
Software Engineer | Backend Developer (.NET)
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Professional Summary

Results-driven **Backend Developer (.NET)** with **2+ years of experience** building scalable, high-performance RESTful APIs and backend systems. Proficient in **C#, ASP.NET Core, SQL Server, and Azure**, with expertise in **Microservices Architecture, CI/CD pipelines, and containerized applications (Docker & Kubernetes)**. Successfully optimized database performance by **20%**, improved API response times by **30%**, and reduced cloud infrastructure costs by **15%**. Strong problem-solving skills, DevOps experience, and a track record of delivering robust, secure, and efficient backend solutions.

Technical Skills & Competencies

- **Backend Development:** C#, .NET Core, ASP.NET Core, Dapper, Entity Framework, Web API, Kafka
- **Database Management:** SQL Server, Oracle Database, PostgreSQL, MongoDB
- **Cloud & DevOps:** Azure (App Services, Service Bus, Application Insights), AWS, Docker, CI/CD (Azure DevOps)
- **Security & Authentication:** OAuth, JWT, API Management, Role-Based Access Control (RBAC)
- **Software Architecture:** Microservices, Event-Driven Architecture, CQRS
- **Agile & Best Practices:** SAFe

Professional Experience

Software Engineer | Deloitte Consulting | *August 2024 – Present | Nairobi, Kenya*

- Developed core financial modules for Levvia (Deloitte's Global Audit Platform) using .NET Core, React.js, and Azure, enhancing materiality calculations and data archiving features.
- Designed and optimized RESTful APIs, improving response times by 30% and ensuring high availability.
- Assisted with cloud resource optimization, reducing Azure infrastructure costs by 15% while maintaining 99.9% uptime.
- Implemented message queuing with Azure Service Bus, ensuring efficient communication between microservices.
- Integrated CI/CD pipelines in Azure DevOps, accelerating deployment cycles and reducing errors by 40%.

Software Developer | Innovex Solutions | *January 2023 – July 2024 | Nairobi, Kenya*

- Built high-performance backend services for financial data processing applications, reducing transaction processing times by 25%.
- Developed and maintained secure API integrations with third-party financial services using C# and .NET Core.
- Improved SQL query performance, reducing database load times by 20% through indexing and query optimization.
- Contributed to the development of containerized applications using Docker and Kubernetes, ensuring scalability.
- Automated testing and monitoring, increasing system reliability and reducing production incidents by 30%.

Intern | Onfon Media (T) Limited

- Assisted in developing backend services using C# and .NET, enhancing API performance by 15%.
- Contributed to database schema design and performance tuning, optimizing data retrieval times.

Key Projects & Achievements

Levvia (Deloitte's Global Audit Platform)

- Developed high-performance APIs that improved audit data processing by 35%.
- Implemented Azure Service Bus for message-driven architecture, increasing scalability.

Education -> BSc in Computer Technology | Meru University of Science & Technology |*Second Class Honors*

Certifications & Professional Development

- **Microsoft Certified: Azure Developer Associate (In Progress)**