

EMMANUEL DONKOR

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PROFESSIONAL SUMMARY

Results-driven Software Engineer and DevOps Lead with 4+ years of experience building scalable backend systems, high-performance mobile applications, and production-grade infrastructure.

Proven track record of leading DevOps transformations, automating manual processes, and delivering internal systems that significantly improve operational efficiency. Strong expertise in Django, ASP.NET, Laravel, Flutter, SwiftUI, and cloud-native DevOps practices using Docker, Kubernetes, and CI/CD pipelines.

Passionate about building reliable systems, optimizing performance, and delivering measurable business impact.

CORE SKILLS

LANGUAGES & FRAMEWORKS

Python (Django, DRF), C# (ASP.NET Core), PHP (Laravel), Dart (Flutter), Swift (SwiftUI), JavaScript (React)

DEVOPS & CLOUD

Docker, Kubernetes, GitHub Actions, GitLab CI/CD, CI/CD Pipelines, Linux, Nginx

DATABASES & CACHING

PostgreSQL, MySQL, SQL Server, Redis

ARCHITECTURE & PRACTICES

REST APIs, Microservices, System Design, Authentication (JWT), RBAC, CI/CD, Testing, Performance Optimization

EXPERIENCE

2025 – PRESENT

DEVOPS LEAD / LEAD SOFTWARE ENGINEER ENTERPRISE TRUSTEES LIMITED, GHANA

- Led DevOps transformation by designing and implementing CI/CD pipelines using GitHub Actions and GitLab CI, reducing deployment time by ~60% and minimizing release-related errors.
- Architected and managed containerized infrastructure using Docker and Kubernetes, improving system uptime to 99.9%+ and enabling seamless scalability during peak operations.

- Designed and built an internal CRM system that:
 - Reduced benefit payment turnaround time (TAT) by 30–40%
 - Improved member communication efficiency by 50%+ through centralized tracking and notifications
 - Increased internal processing visibility, reducing follow-up delays across teams
- Automated allocation exception detection, eliminating a fully manual process and:
 - Reduced reconciliation effort by 70%+
 - Improved accuracy of allocation tracking and exception handling
 - Enabled near real-time identification of inconsistencies
- Spearheaded modernization of legacy systems (PHP – Laravel, JavaScript), resulting in:
 - 40% improvement in system performance (load/response time)
 - Reduced system bugs and support tickets through refactoring and codebase cleanup
- Developed and deployed new applications using Laravel and ReactJS, improving internal workflow efficiency and reducing reliance on manual processes.
- Implemented monitoring, logging, and alerting strategies, reducing incident response time (MTTR) by ~50% and improving system reliability.
- Strengthened platform security through best practices (access control, environment isolation, secrets management), reducing vulnerability exposure.
- Played a key role in team growth by serving as a technical interviewer for a DevOps Officer role, contributing to hiring decisions and team capability building.

2023 – PRESENT

FLUTTER CROSS-PLATFORM APPLICATION DEVELOPER, SUNNYCODEENGINEER

- Proficient in building cross-platform mobile applications using Flutter and Dart, providing very responsive and high-performance user interfaces.
- Integrated APIs, and third-party libraries to enhance app functionality and improve user experience.
- Experience in implementing responsive layouts, custom animations, and complex UI designs in Flutter.
- Utilize state management solutions like Provider for efficient app performance and maintainability.
- Implemented secure authentication, location-based services, and real-time data updates for dynamic application features.

2022 – PRESENT

BACKEND DEVELOPER (DJANGO-PYTHON), TEAM FLASHY

- Experienced in building robust and maintainable backend systems with Django and Python, focusing on scalability and security.
- Developed and consumed RESTful APIs using Django REST Framework (DRF) for seamless frontend-backend communication.
- Designed and optimized PostgreSQL and MySQL database schemas, queries, and indexing for improved performance.
- Implemented authentication, authorization, and role-based access control using Django's built-in tools and JWT.
- Integrated third-party APIs and caching with Redis for enhanced application performance.

2022 – PRESENT

BACKEND DEVELOPER (ASP.NET-C#), SUNNYCODEENGINEER

- Proficient in developing scalable and secure backend applications using ASP.NET Core and C#, ensuring high performance and reliability.
- Integrated RESTful APIs, microservices, and third-party services to support complex business logic and application workflows.
- Skilled in designing and optimizing SQL Server databases, writing efficient stored procedures, and implementing data migration strategies.
- Implemented authentication and authorization using ASP.NET Identity and JWT for secure access control.
- Applied best practices in unit testing, code refactoring, and dependency injection to maintain clean, maintainable, and testable codebases.

2022 – PRESENT

IOS APPLICATION DEVELOPER, SUNNYCODEENGINEER

- Proficient in building modern and responsive iOS applications using SwiftUI, focusing on fluid animations and seamless user experience.
- Experienced with MVVM architecture for clean, maintainable code and effective state management.
- Researched and selected APIs for integration into development projects.
- Worked with stakeholders to find collaborative ways to deliver business value for parties.
- Familiar with handling app lifecycle, navigation, and persistence in SwiftUI for feature-rich applications.
- Brainstormed new application concepts based on available development assets and historical successes.

EDUCATION

JANUARY 2021 – NOVEMBER 2024

BSC.(HONS) COMPUTER ENGINEERING (1ST), KWAME NKRUMAH UNIVERSITY OF SCIENCE AND TECHNOLOGY

- Completed University-level Coursework: Programming and Problem Solving, Kwame Nkrumah University of Science and Technology
- Completed University-level Coursework: Object Oriented Programming, Kwame Nkrumah University of Science and Technology
- Completed University-level Coursework: Software Engineering I & II Kwame Nkrumah University of Science and Technology
- Completed University-level Coursework: Distributed Systems, Kwame Nkrumah University of Science and Technology
- Completed University-level Coursework: Secure Network Systems, Kwame Nkrumah University of Science and Technology

SEPTEMBER 2020

WEST AFRICA SENIOR SECONDARY CERTIFICATE EXAMINATION (W.A.S.S.C.E.), ADISADEL COLLEGE

CERTIFICATIONS

- Intro to Machine Learning Training - 2023
- Intermediate Machine Learning Training - 2023
- Data Visualization Training – 2023
- AWS Academy Cloud Foundations – 2024
- AWS Academy Data Engineering – 2024
- AWS Academy Introduction to Cloud Semester 1 – 2024
- AWS Academy Introduction to Cloud Semester 2 – 2024