

CHARLES MWANGI

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SUMMARY

Performance-driven **Software Engineer** with **6+ years of experience** in designing system architecture, building APIs, and delivering cloud-based solutions. Skilled in **Python, Django, Flutter**, and **AWS** services (EC2, S3, Lambda, DynamoDB). Adept at leading cross-functional teams, mentoring junior engineers, and managing full project lifecycles—from ideation to timely, on-budget completion. Proven success in **CI/CD** pipelines, **Docker** containerization, and cloud-native ecosystems.

EXPERIENCE

Software Engineer | ITechart Group

Jan 2023 – Dec 2024 | London (Remote)

- **Designed** and **implemented** cloud-based solutions using AWS (EC2, S3, Lambda, DynamoDB), resulting in a 30% reduction in infrastructure costs.
- **Led** cross-functional teams of engineers, designers, and data scientists, delivering 10+ high-quality software products on time and under budget.
- **Developed** proof-of-concept applications to validate new product ideas, contributing to the successful launch of multiple new features.
- **Mentored** 20+ junior software engineers and interns, achieving 95%+ satisfaction scores in onboarding surveys.

Associate Software Engineer | Studio Graphine

Oct 2022 – Dec 2022 | Leeds (Remote or On-site)

- **Developed** backend architecture for an online multiplayer game using **Django**, supporting thousands of concurrent users.
- **Implemented** robust APIs in **Ruby on Rails** for real-time chat, leaderboards, and player matchmaking.
- **Built** CI/CD pipelines using **Jenkins** and **GitLab**, accelerating release cycles by 20%.
- **Collaborated** with frontend engineers to ensure seamless integration between server-side and client-side functionalities

PROJECTS

AI-Powered Code Review Platform (2025)

- **Created** a Flutter web and mobile app for automated code review and feedback, integrating **AI models** to analyze code quality.
- **Developed** a Django backend, orchestrated with **Docker** for scalable deployments.
- **Implemented** real-time collaboration using **Firebase**, enabling instant feedback among distributed teams.

Smart Farm Monitoring App (2024)

- **Developed** a Flutter mobile app integrated with a Django backend for real-time farm monitoring and livestock tracking.
- **Used** Firebase notifications to alert users of critical farm conditions, improving response times by 50%.
- **Streamlined** data visualization dashboards, allowing farmers to quickly interpret livestock health metrics.

EDUCATION

B.S. (Hons) in Information Technology | Karatina University
2022 – Present | Nyeri, Kenya

Certified Full-Stack Django Developer | Cybrary (Online)
2023

SKILLS

- **Languages & Frameworks:** Python (Django, Flask), Ruby on Rails, Flutter, C/C++
- **Cloud & DevOps:** AWS (EC2, S3, Lambda, DynamoDB), Docker, Jenkins, GitLab CI/CD
- **Web & Mobile:** HTML, CSS, Bootstrap, Firebase (Real-time DB & Notifications)
- **Methodologies:** Agile/Scrum, Test-Driven Development (TDD), Continuous Integration/Continuous Deployment (CI/CD)
- **Soft Skills:** Team Leadership, Technical Mentoring, Strong Communication

HOBBIES

Reading Science Fiction | Chess | Puzzles | Swimming