

MICHAEL ALEX BASWETI

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SUMMARY

Senior Software Engineer with over 6 years of experience leading full-stack development across East Africa. Proven track record in building scalable back-office systems, launching cross-border financial tools, and leading agile teams. Passionate about delivering robust, maintainable solutions using Python, Django, Express, React, and cloud technologies like AWS.

SKILLS

- 🔧 Languages & Frameworks: Python, JavaScript, PHP, Clojure, Java, Django, Laravel, Flask, React Native, Express.js
- 💻 Databases: PostgreSQL, MySQL, NoSQL, SQL
- 🖱️ Tools & Platforms: AWS, Git, GitHub, Jira, Confluence, SAP, Microsoft Graph API
- 🧠 Concepts: API Design & Development, DevOps, Agile/Scrum, System Architecture, Payments Integration, Cybersecurity Collaboration

EXPERIENCE

Nation Media Group | Nairobi, Kenya

Lead Software Engineer (Back Office Systems) | 03/2023 - Current

- Led cross-regional software initiatives across Kenya, Uganda, and Tanzania, aligning teams to co-develop scalable digital solutions.
- Architected and deployed a finance payments system improving transaction visibility and efficiency.
- Rolled out courier system securing ~\$1M in partnerships (Airtel, D-Light, Aga Khan Foundation).
- Championed Agile as Scrum Master; facilitated sprint ceremonies and managed Jira.
- Integrated Zoho and Microsoft Graph API to improve workflow.
- Mentored data engineers on SQL optimization and best practices.
- Redesigned system architecture to scale with customer base.
- Collaborated with cybersecurity to harden systems and debug attacks.
- Implemented DevOps for Data Team using AWS and GitHub.
- Standardized documentation via Jira Confluence, improving knowledge sharing by 30%.

- Participated in executive innovation planning as part of NMIG's 'war game' think tank.

DTOne Group | Nairobi, Kenya

Senior Software Engineer | 05/2022 - 02/2023

- Developed backend services for telco lending solutions across Africa and Asia.
- Built SMS scheduling for Blue Label (Mozambique) improving delivery timing.
- Integrated USSD for MTN Guinea Conakry to enhance service access.
- Implemented airtime lending for Airtel Uganda supporting real-time credit issuance.
- Built core components of the CCI agent tool (Clojure backend, React frontend).
- Led Agile transformation; established initial sprints and ceremonies.
- Used Clojure as main backend language, with Java for system-level integrations.

Nation Media Group | Nairobi, Kenya

Software Engineer | 03/2020 - 04/2022

- Led development of Nation Courier automation system using Python, JavaScript, React, React Native, REST APIs.
- Designed and deployed a RESTful API connected to a PostgreSQL DB with web and mobile interfaces.
- Oversaw system architecture ensuring performance and scalability.
- Trained users in Kenya and Uganda, with future rollout planned in Tanzania.
- Performed ongoing system updates and bug fixes.
- Wrote system documentation, progress reports, and stakeholder updates.
- Advised on infrastructure and hardware requirements for deployment.

Nation Media Group | Nairobi, Kenya

Software Engineer Consultant | 09/2019 - 02/2020

- Developed a Distributor Management System (DMS) using Django and JavaScript/jQuery.
- Integrated DMS with SAP for seamless logistics-finance data sync.
- Hosted the system on AWS and ensured stable deployment.
- Conducted demos to stakeholders showcasing DMS capabilities.
- Designed reporting tools for operational analysis.
- I wrote SQL migration scripts and managed Git-based version control.
- Performed QA testing and resolved launch bugs.
- Trained internal and external users and gathered feature requirements.

Andela Kenya | Nairobi, Kenya

Software Engineer | 09/2018 - 09/2019

- Developed and maintained full-stack internal tools including Converge and Authors Haven.
- Converge: Booking platform integrated with Google Calendar (Python, GraphQL, React).

- Built push notification microservice for calendar changes using event-driven architecture.
- Authors Haven: Publishing platform for Andelans (Django REST, React), supporting articles and social features.

EDUCATION AND TRAINING

Laikipia University | Kenya
Bachelor of Science in Computer Science
12/2017

WEBSITES, PORTFOLIOS, PROFILES

 mbasweti.site

 linkedin.com/in/engineer-michael-basweti

ACCOMPLISHMENTS

-  Rolled out a digital payments system across 3 countries, increasing transaction speed by 15%
-  Scaled NMG's courier system regionally, securing \$1M+ in contracts (Airtel, Aga Khan Foundation)
-  Introduced Jira Confluence company-wide, boosting documentation efficiency by 30%
-  Boosted agile delivery velocity by 30% during DToOne's early adoption phase

LANGUAGES

- Swahili, Native
- English, Proficient

REFERENCES

References available upon request.